Wetland Restoration Catalog

December 2008

Virginia Department of Conservation and Recreation – Division of Natural Heritage





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The views expressed herein are those of the authors and do not necessarily reflect the views of the U.S. Department of Commerce, NOAA, or any of its subagencies.

Virginia Department of Conservation and Recreation Division of Natural Heritage Wetland Restoration Catalog

Updated December 2008

DCR-DNH has developed a catalog of potential wetland restoration sites, within or adjacent to Natural Heritage Conservation Sites. This catalog is intended to guide localities and regulatory agencies to appropriate sites for various conservation purposes including wetland mitigation.

These prior-converted wetland patches occur on a mix of private and public lands and property information has not been referenced. The wetland restoration opportunities have not been field verified. Additional property research and site evaluation will be necessary to determine which areas are suitable candidates for restoration. Nevertheless these sites represent high-probability opportunities to design and implement high-value wetland restoration projects. Because these sites fall within sensitive biological conservation sites, DCR requests coordination for any proposed mitigation actions. Please contact the project review coordinator at 804-371-2708 or rene.hypes@dcr.virginia.gov

Methodology

Conservation sites are tools for representing key areas of the landscape that warrant further review for possible conservation action because of the natural heritage resources and habitat they support. Conservation sites are polygons built around one or more rare plant, animal, or natural community designed to include the element and, where possible, its associated habitat, and buffer or other adjacent land thought necessary for the element's conservation. Conservation sites are given a biodiversity significance ranking based on the rarity, quality, and number of element occurrences they contain; on a scale of 1-5, 1 being most significant.

- B1 Outstanding significance
- B2 Very high significance
- B3 High significance
- B4 Moderate significance
- B5 of General Biodiversity significance

Natural Heritage Conservation sites larger than 500 acres with a biodiversity rank of B1 (outstanding significance), B2 (very high significance) and B3 (high significance) were selected. The original (2006) potential wetland restoration sites were selected by Chief Biologist, J. Christopher Ludwig who reviewed each conservation site against 2002 Virginia Basemap aerial photography, National Wetland Inventory wetland coverage, and other GIS datasets. Chris has visited many of these sites and used his personal experience, as well as his photo-interpretation skills, to delineate patches of land that appeared to be converted wetlands with a high potential for restoration. Polygons were delineated in an ArcView shapefile. In most cases these polygons terminated at the edge of a conservation site even if the converted area seemed to extend over the conservation site boundary.

Natural Heritage recently incorporated the 2006/2007 aerial photography into the Division's database. The availability of these updated photographs allowed for an opportunity to update the original Wetland Restoration Catalog. All 121 of the original potential wetland restoration sites were viewed

against the most current aerial photography. Each original site was also reviewed to confirm if the site was still within a B1 through B3 conservation site of over 500 acres. Then, additional potential wetland restoration sites were selected using the methodology described above. Many of the original sites were modified to extend past the conservation site boundary if the converted area continued past this boundary. All new and modified potential wetland restoration sites were reviewed by Chief Biologist, J. Christopher Ludwig before being incorporated into the catalog.

New and updated information is continually added to the Natural Heritage database. The information within this document is current as of December 2008.

Updates

The 2008 Wetland Restoration Catalog contains 10 B1, 84 B2, and 24 B3 potential restoration sites. 92 of the 118 sites are located within the coastal zone. Sites range in size from 1.3 acres to 2484.3 acres. Please see the table below for a full description of the updates.

35 of the 2006 Catalog's 121 potential wetland restoration sites were deleted. Of these:

3 sites were combined into larger sites

13 sites were deleted due to changes in land use (development or forestation) as determined by the difference between to 2002 and 2006/2007 aerial photography

16 sites were deleted due to changes in the B-rank of the conservation site (decrease in biodiversity rank)

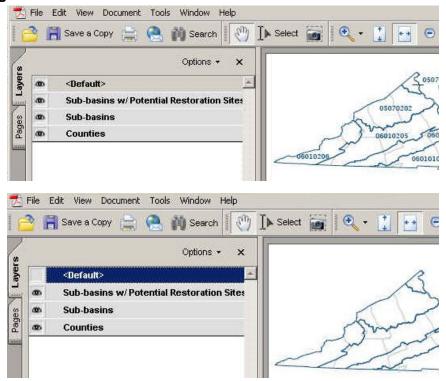
The updated catalog has 118 potential wetland restoration sites. Of these:

55 sites are modifications of previously selected sites (based on slight changes of conservation sites or to better fit to the current land uses)

32 sites are new - mainly due to updated conservation site data (increase in ranks or extensions of boundaries)

31 of the sites in the updated catalog are the same as in the 2006 catalog

Figure 1.



On the following page is an interactive PDF map layer showing coastal zone counties (highlighted in yellow), sub-basins and subbasins with potential wetland restoration sites. You can turn each of these layers on and off interactively by clicking the Layers Tab in Adobe Reader document, then clicking on the eye graphic beside each layername. The default layer is the sub-basin labels. See figure 1 for a demonstration. The top graphic shows all layers turned on. In the second, the Default layer, subbasin labels, has been turned off.

Potential Wetland Restoration Sites

The following table lists the potential wetland restoration sites, by sub-basin code. Click on the hyperlink associated with each Site ID number to see a map showing the location of the sites.

Site ID	B- Rank	Conservation Site Name	Acres	Coastal	HUC Code	County/City	USGS Quad Name
		Sub-basin					
1	В3	POHICK/ACCOTINK WETLANDS	14.3	YES	02070010	Fairfax	Fort Belvoir
		020700	011 - Lower	Potomac S	<u>Sub-basin</u>		
<u>2</u>	B2	CROWS NEST	10.1	YES	02070011	Stafford	Passapatanzy
<u>3</u>	B2	CROWS NEST	42.0	YES	02070011	Stafford	Fredericksburg
<u>4</u>	В3	DANCING MARSH	23.0	YES	02070011	Westmoreland	Colonial Beach South
<u>5</u>	В3	BRIDGES CREEK	122.4	YES	02070011	Westmoreland	Colonial Beach South
<u>6</u>	В3	BRIDGES CREEK	85.6	YES	02070011	Westmoreland	Colonial Beach South
		02080102 - Gi	reat Wicomi	ico – Piank	atank Sub	p-basin	
<u>7</u>	B2	DAMERON MARSH/HUGHLETT POINT/FLEETS BAY	40.3	YES	02080102	Northumberland	Reedville
<u>8</u>	B2	DAMERON MARSH/HUGHLETT POINT/FLEETS BAY	8.1	YES	02080102	Northumberland	Fleets Bay
9	B2	DAMERON MARSH/HUGHLETT POINT/FLEETS BAY	102.0	YES	02080102	Northumberland	Reedville
<u>10</u>	В3	BETHEL BEACH	13.2	YES	02080102	Mathews	Mathews
		02080104	- Lower Ra	ppahanno	ck Sub-ba	sin	
<u>11</u>	B2	SOUTH FREDERICKSBURG	47.975	YES	02080104	Spotsylvania	Fredericksburg
<u>12</u>	B2	SOUTH FREDERICKSBURG	70.294	YES	02080104	Spotsylvania	Fredericksburg
<u>13</u>	B2	DRAKES AND OTTERBURN MARSHES	170.669	YES	02080104	Westmoreland	Loretto
<u>14</u>	B2	FONES CLIFFS	84.919	YES	02080104	Westmoreland	Champlain
<u>15</u>	B2	OCCUPACIA MARSHES	56.287	YES	02080104	Essex	Champlain
<u>16</u>	B2	OCCUPACIA MARSHES	77.955	YES	02080104	Essex	Champlain
<u>17</u>	B2	OCCUPACIA MARSHES	338.003	YES	02080104	Essex	Champlain
<u>18</u>	B2	OCCUPACIA MARSHES	104.810	YES	02080104	Essex	Champlain
<u>19</u>	B2	OCCUPACIA MARSHES	65.025	YES	02080104	Essex	Champlain
<u>20</u>	B2	OCCUPACIA MARSHES	74.382	YES	02080104	Essex	Champlain
<u>21</u>	B2	OCCUPACIA MARSHES	72.137	YES	02080104	Richmond	Champlain
<u>22</u>	B2	MULBERRY ISLAND	88.698	YES	02080104	Richmond	Champlain

Site	B-	Conservation Site	Aoros	Coastal	HUC	County/City	USGS
ID	Rank	Name	Acres		Code	County/City	Quad Name
	ı	02080104 - L	ower Rapp	ahannock	Sub-basin	cont.	
<u>23</u>	B2	MULBERRY ISLAND	58.313	YES	02080104	Richmond	Champlain / Mount Landing
<u>24</u>	B2	MULBERRY ISLAND	11.582	YES	02080104	Richmond	Mount Landing
<u>25</u>	B2	DRAKES AND OTTERBURN MARSHES	23.849	YES	02080104	Essex	Loretto
<u>26</u>	B2	DRAKES AND OTTERBURN MARSHES	8.821	YES	02080104	Essex	Loretto
<u>27</u>	B2	FONES CLIFFS	15.389	YES	02080104	Westmoreland	Champlain
<u>28</u>	B2	FONES CLIFFS	5.583	YES	02080104	Westmoreland	Champlain
<u>29</u>	B2	DRAKES AND OTTERBURN MARSHES	42.308	YES	02080104	Essex	Lorretto/ Champlain
<u>30</u>	B2	DRAKES AND OTTERBURN MARSHES	114.859	YES	02080104	Essex	Champlain
		020	80105 – Mat	ttaponi Sul	b-basin		
<u>31</u>	В3	WALKERTON - HORSE LANDING	192.520	YES	02080105	King William	King William
<u>32</u>	В3	WALKERTON - HORSE LANDING	24.413	YES	02080105	King and Queen	King William
<u>33</u>	B2	LOWER MATTAPONI RIVER MARSHES	123.788	YES	02080105	King William	West Point
		0208	30106 – Pan	nunkey Su	b-basin		
<u>34</u>	B2	MACON CREEK MARSHES	60.174	YES	02080106	New Kent	Tunstall
<u>35</u>	B2	SWEET HALL MARSH	18.870	YES	02080106	King William	New Kent
<u>36</u>	В3	COHOKE MARSH	90.394	YES	02080106	King William	New Kent
<u>37</u>	B2	MACON CREEK MARSHES	67.343	YES	02080106	New Kent	Tunstall
<u>38</u>	B2	COUSIAC MARSH	22.842	YES	02080106	New Kent	New Kent
		02080108 -	 Lynnhaver 	n – Poquos	son Sub-ba	asin	
<u>39</u>	В3	GRANDVIEW BEACH	20.369	YES	02080108	City of Hampton	Hampton
		02080111 - Pokon	noke - West	ern Lower	Delmarva	Sub-Basin	
<u>40</u>	B2	PARKERS MARSH/ISLAND	28.289	YES	02080111	Accomack	Pungoteague
41	B2	PARKERS MARSH/ISLAND	15.607	YES	02080111	Accomack	Pungoteague
<u>42</u>	B1	SAVAGE NECK DUNES	128.259	YES	02080111	Northampton	Cape Charles
<u>43</u>	B1	SAVAGE NECK DUNES	6.723	YES	02080111	Northampton	Cape Charles
44	B1	SAVAGE NECK DUNES	68.232	YES	02080111	Northhampton	Cape Charles
<u>45</u>	В3	SCARBOROUGH NECK	51.413	YES	02080111	Accomack	Jamesville
<u>46</u>	B1	CAPE CHARLES/PICKETTS HARBOR	4.421	YES	02080111	Northampton	Elliotts Creek

Site ID	B- Rank	Conservation Site Name	Acres	Coastal	HUC Code	County/City	USGS Quad Name
			02080206 -	Lower Jar	nes		
47	B1	GRAFTON PONDS	31.621	YES	02080206	York	Yorktown
48	B2	OLD NECK CREEK	18.865	YES	02080206	Charles City	Brandon
49	B2	OLD NECK CREEK	70.152	YES	02080206	Charles City	Brandon
<u>50</u>	В3	WILCOX NECK	97.951	YES	02080206	Charles City	Walkers
<u>51</u>	В3	WILCOX NECK	21.561	YES	02080206	Charles City	Walkers
<u>52</u>	В3	TURKEY ISLAND MARSHES	28.545	YES	02080206	Henrico	Dutch Gap
<u>53</u>	B2	LOWER CHICKAHOMINY RIVER	191.061	YES	02080206	Charles City	Walkers
<u>54</u>	B2	LOWER CHICKAHOMINY RIVER	16.786	YES	02080206	Charles City	Providence Forge
<u>55</u>	B2	POWELL CREEK	33.187	YES	02080206	Prince George	Westover
<u>56</u>	В3	MILL CREEK - JAMES CITY COUNTY MARSHES	42.734	YES	02080206	James City	Hog Island
<u>57</u>	В3	WILCOX NECK	39.202	YES	02080206	New Kent	Walkers
		030	10202 – Blad	ckwater Su	b-basin		
<u>58</u>	B2	ZUNI PINE BARRENS	41.131	YES	03010202	Isle of Wight	Zuni
<u>59</u>	В3	HICKANECK SWAMP	16.230	YES	03010202	Southampton	Raynor
<u>60</u>	В3	HICKANECK SWAMP	23.576	YES	03010202	Southampton	Raynor
		030	10205 - Alb	emarle Sul	b-basin		
<u>61</u>	B2	GREAT DISMAL SWAMP	2484.331	YES	03010205	City of Chesapeake	Lake Drummond
<u>62</u>	B2	NORTH LANDING RIVER: POCOSINS	397.238	YES	03010205	City of Virginia Beach	Pleasant Ridge
<u>63</u>	B2	NORTH LANDING RIVER: POCOSINS	7.260	YES	03010205	City of Virginia Beach	Pleasant Ridge
<u>64</u>	B2	NORTH LANDING RIVER: POCOSINS	257.270	YES	03010205	City of Virginia Beach	Pleasant Ridge
<u>65</u>	B2	NORTH LANDING RIVER: SOUTHERN MARSHES	194.944	YES	03010205	City of Virginia Beach	Creeds
<u>66</u>	B2	NORTH LANDING RIVER: SOUTHERN MARSHES	24.702	YES	03010205	City of Virginia Beach	Creeds
<u>67</u>	B2	NORTH LANDING RIVER: GUM SWAMP	11.199	YES	03010205	City of Chesapeake	Fentress
<u>68</u>	B2	NORTH LANDING RIVER: GUM SWAMP	3.661	YES	03010205	City of Chesapeake	Fentress
<u>69</u>	B2	NORTH LANDING RIVER: GUM SWAMP	62.866	YES	03010205	City of Chesapeake	Fentress
<u>70</u>	B2	NORTH LANDING RIVER: GUM SWAMP	47.154	YES	03010205	City of Chesapeake	Fentress
<u>71</u>	B2	NORTH LANDING RIVER: GUM SWAMP	23.737	YES	03010205	City of Chesapeake	Pleasant Ridge / Fentress
<u>72</u>	B2	NORTH LANDING RIVER: GUM SWAMP	5.768	YES	03010205	City of Virginia Beach	Pleasant Ridge

Site ID	B- Rank	Conservation Site Name	Acres	Coastal	HUC Code	County/City	USGS Quad Name
		030102	205 – Albem	arle Sub-b	asin cont.		
<u>73</u>	B2	NORTH LANDING RIVER: EASTERN MARSHES	17.410	YES	03010205	City of Virginia Beach	Pleasant Ridge
<u>74</u>	B2	NORTH LANDING RIVER: EASTERN MARSHES	8.678	YES	03010205	City of Virginia Beach	Pleasant Ridge
<u>75</u>	B2	NORTH LANDING RIVER: EASTERN MARSHES	13.665	YES	03010205	City of Virginia Beach	Pleasant Ridge
<u>76</u>	B2	NORTH LANDING RIVER: EASTERN MARSHES	3.402	YES	03010205	City of Virginia Beach	Pleasant Ridge
<u>77</u>	B2	NORTH LANDING RIVER: EASTERN MARSHES	17.118	YES	03010205	City of Virginia Beach	Pleasant Ridge
<u>78</u>	B2	NORTH LANDING RIVER: EASTERN MARSHES	29.100	YES	03010205	City of Virginia Beach	Pleasant Ridge
<u>79</u>	B2	NORTH LANDING RIVER: EASTERN MARSHES	14.476	YES	03010205	City of Virginia Beach	Pleasant Ridge
<u>80</u>	B2	NORTH LANDING RIVER: GUM SWAMP	53.906	YES	03010205	City of Chesapeake	Fentress
<u>81</u>	B2	NORTHWEST RIVER: SMITH CREEK	22.075	YES	03010205	City of Chesapeake	Moyock
<u>82</u>	B2	NORTHWEST RIVER: MIDDLE SECTION	19.804	YES	03010205	City of Chesapeake	Moyock
<u>83</u>	B2	NORTHWEST RIVER: MIDDLE SECTION	31.676	YES	03010205	City of Chesapeake	Moyock
<u>84</u>	B2	NORTHWEST RIVER: MIDDLE SECTION	69.778	YES	03010205	City of Chesapeake	Moyock
<u>85</u>	B2	NORTHWEST RIVER: MIDDLE SECTION	355.711	YES	03010205	City of Chesapeake	Moyock
<u>86</u>	B2	NORTHWEST RIVER: MIDDLE SECTION	13.643	YES	03010205	City of Chesapeake	Moyock
<u>87</u>	B2	NORTH LANDING RIVER: SOUTHERN MARSHES	197.827	YES	03010205	City of Virginia Beach	Creeds
<u>88</u>	B2	NORTH LANDING RIVER: GUM SWAMP	24.588	YES	03010205	City of Chesapeake	Fentress
<u>89</u>	B2	NORTH LANDING RIVER: EASTERN MARSHES	384.860	YES	03010205	City of Virginia Beach	Pleasant Ridge
90	B2	NORTH LANDING RIVER: SOUTHERN MARSHES	26.492	YES	03010205	City of Virginia Beach	Creeds
<u>91</u>	B2	BACK BAY	7.216	YES	03010205	City of Virginia Beach	Pleasant Ridge
92	B2	BACK BAY	8.574	YES	03010205	City of Virginia Beach	North Bay

Site ID	B- Rank	Conservation Site Name	Acres	Coastal	HUC Code	County/ City	USGS Quad Name	
02080202 - Maury Sub-basin								
<u>93</u>	В3	HOTCHKISS MEADOW	71.518	NO	02080202	Bath	Green Valley / Millboro	
03010101 – Upper Roanoke Sub-basin								
94	B2	MONTGOMERY MARL MEADOWS AND GLADE	24.722	NO	03010101	Montgomery	Ironto	
<u>95</u>	B2	SWEET SPRING HOLLOW	6.407	NO	03010101	Montgomery	Ironto	
<u>96</u>	B2	SWEET SPRING HOLLOW	5.065	NO	03010101	Montgomery	Ironto	
		030101	02 - Middle	e Roanoke	Sub-basin			
<u>97</u>	B2	LOWER ROANOKE (STAUNTON) RIVER	31.778	NO	03010102	Halifax	Clover	
<u>98</u>	B2	LOWER ROANOKE (STAUNTON) RIVER	22.147	NO	03010102	Halifax	Clover	
<u>99</u>	B2	LOWER ROANOKE (STAUNTON) RIVER	10.668	NO	03010102	Charlotte	Clover	
				per Dan Sul				
100	B1	ELK CREEK	1.342	NO	03010103	Patrick	Staurt SE	
<u>101</u>	B1	ELK CREEK	2.506	NO	03010103	Patrick	Staurt SE	
<u>102</u>	B1	ELK CREEK	4.731	NO Cod	03010103	Patrick	Stuart SE	
	1		10104 – Lov	wer Dan Su	p-pasin			
<u>103</u>	B2	HYCO RIVER: US 501 TO RT. 744	8.259	NO	03010104	Halifax	Cluster Springs	
<u>104</u>	B2	HYCO RIVER: US 501 TO RT. 744	29.723	NO	03010104	Halifax	Cluster Springs	
10.				ttoway Sub) () () () () () () () () () (
<u>105</u>	B2	NOTTOWAY BASIN	9.683	NO	03010201	Dinwiddie	Warfield	
	i		10204 – Me	eherrin Sub	-basın	l		
<u>106</u>	B2	CLARESVILLE BOTTOMLANDS	191.530	NO	03010204	Greensville	Adams Grove	
<u>107</u>	В3	EMPORIA AIRPORT WETLANDS	44.288	NO	03010204	Southampton	Adams Grove	
<u>108</u>	В3	LOWER FONTAINE CREEK	89.634	NO	03010204	Greensville	Margarettsville	
<u>109</u>	В3	LOWER FONTAINE CREEK	8.284	NO	03010204	Greensville	Margarettsville	
<u>110</u>	В3	LOWER FONTAINE CREEK	21.816	NO	03010204	Greensville	Margarettsville	
111	В3	LOWER FONTAINE CREEK	107.294	NO	03010204	Greensville	Margarettsville / Claresville	
<u>112</u>	В3	LOWER FONTAINE CREEK	45.512	NO	03010204	Greensville	Claresville	
		0505	0001 – Up _l	per New Su	b-basin			
<u>113</u>	B1	PINEY CREEK	21.632	NO	05050001	Carroll / Grayson	Cumberland Knob / Lambsburg	
114	B1	PINEY CREEK	12.558	NO	05050001	Grayson	Cumberland Knob	

Site ID	B- Rank	Conservation Site Name	Acres	Coastal	HUC Code	County/ City	USGS Quad Name	
05050002 – Middle New Sub-basin								
<u>115</u>	B2	BACK VALLEY	61.850	NO	05050002	Bland	Mechanicsburg	
<u>116</u>	B2	BACK VALLEY	2.357	NO	05050002	Bland	Mechanicsburg	
<u>117</u>	B2	BACK VALLEY	9.503	NO	05050002	Bland	Mechanicsburg	
	02070005 – South Fork Shenandoah Sub-basin							
<u>118</u>	B2	SOUTH RIVER WET MEADOW	434.183	NO	02070005	Augusta	Stuarts Draft / Waynesboro West	

Sub-basin: 02070010 - Middle Potomac-Anacostia-Occoquan

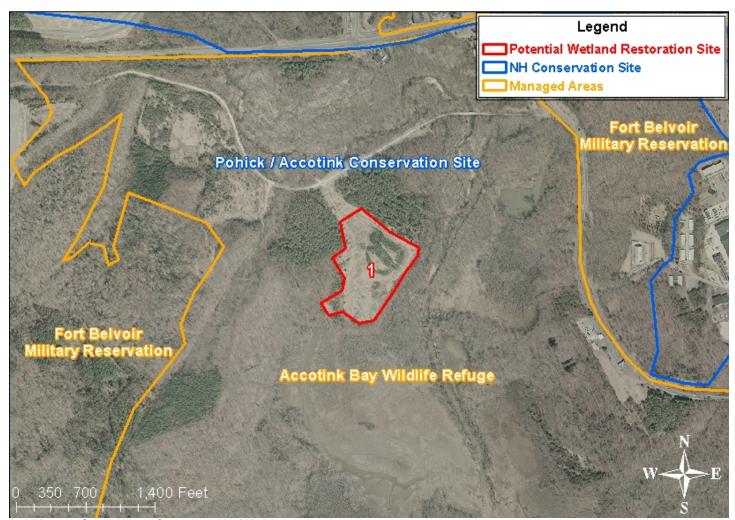
Conservation Site Name: Pohick / Accotink Wetlands

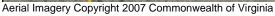
Conservation Site B-Rank: B3

County: Fairfax

USGS Quad: Fort Belvoir

Site ID: 1 Acreage: 14.3









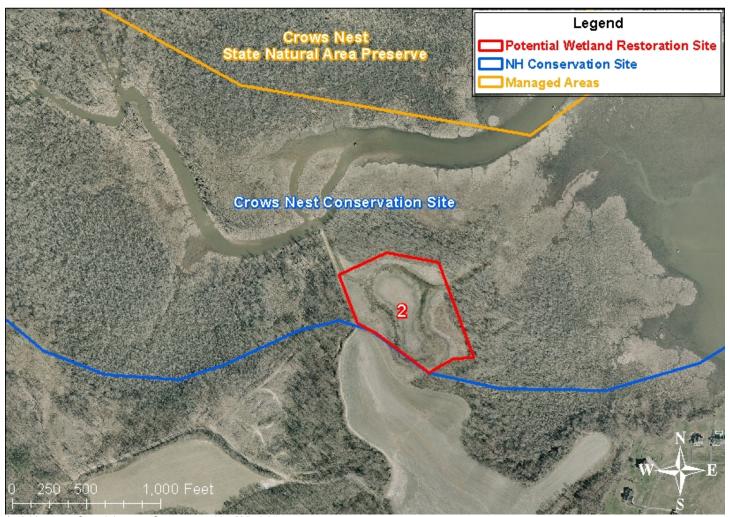
Sub-basin: 02070011 – Lower Potomac **Conservation Site Name:** Crows Nest

Conservation Site B-Rank: B2

County: Stafford

USGS Quad: Passapatanzy

Site ID: 2 Acreage: 10.1



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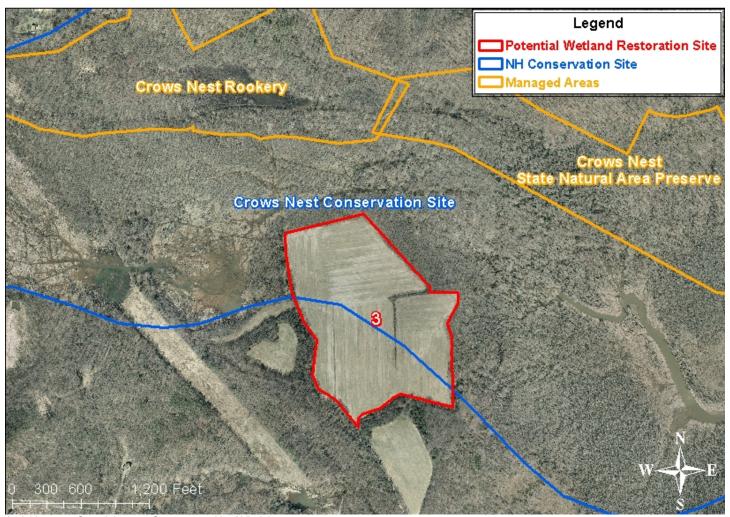
Sub-basin: 02070011 – Lower Potomac **Conservation Site Name:** Crows Nest

Conservation Site B-Rank: B2

County: Stafford

USGS Quad: Fredericksburg

Site ID: 3 Acreage: 42.0



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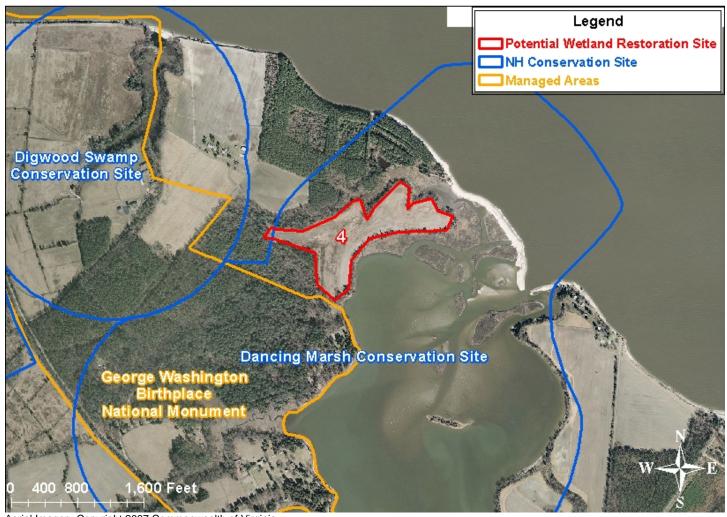
Sub-basin: 02070011 – Lower Potomac **Conservation Site Name:** Dancing Marsh

Conservation Site B-Rank: B3

County: Westmoreland

USGS Quad: Colonial Beach South

Site ID: 4 Acreage: 23.0



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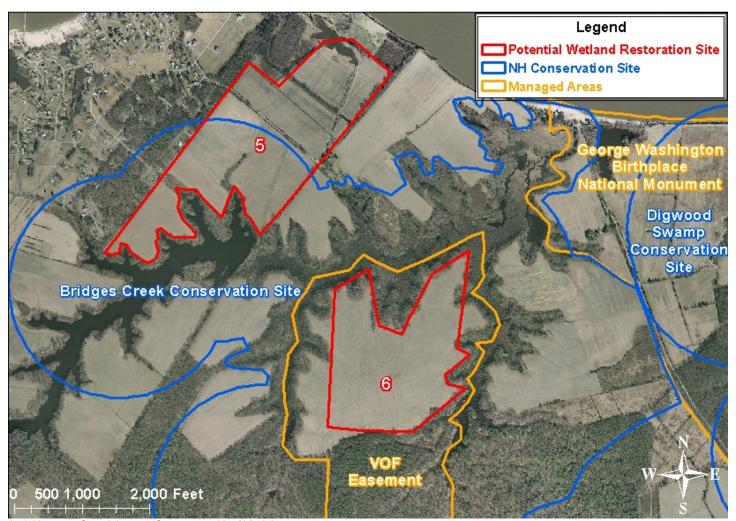
Sub-basin: 02070011 – Lower Potomac **Conservation Site Name:** Bridges Creek

Conservation Site B-Rank: B3

County: Westmoreland

USGS Quad: Colonial Beach South

Site ID: 5 Site ID: 6 Acreage: 122.4 Acreage: 85.6



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Sub-basin: 02080102 – Great Wicomico - Piankatank

Conservation Site Name: Dameron Marsh / Hughlett Point / Fleets Bay

Conservation Site B-Rank: B2

County: Northumberland

USGS Quad: Reedville/Fleets Bay

Site ID: 7 Site ID: 8 Acreage: 40.3 Acreage: 8.1



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Sub-basin: 02080102 – Great Wicomico - Piankatank

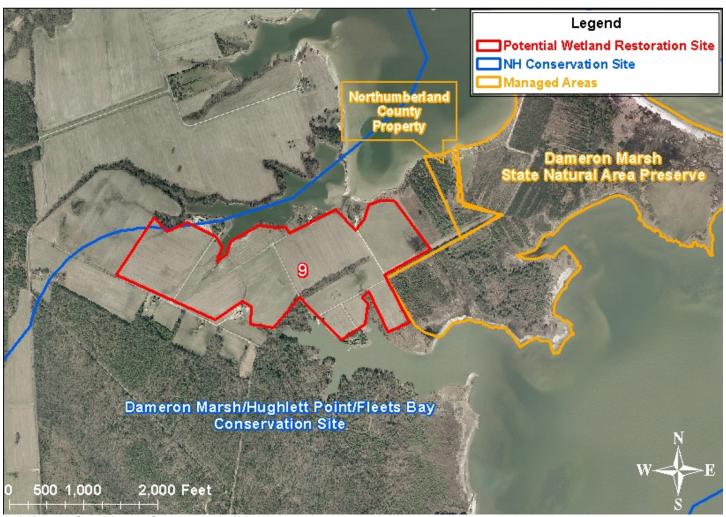
Conservation Site Name: Dameron Marsh / Hughlett Point / Fleets Bay

Conservation Site B-Rank: B2

County: Northumberland USGS Quad: Reedville

Site ID: 9

Acreage: 102.0



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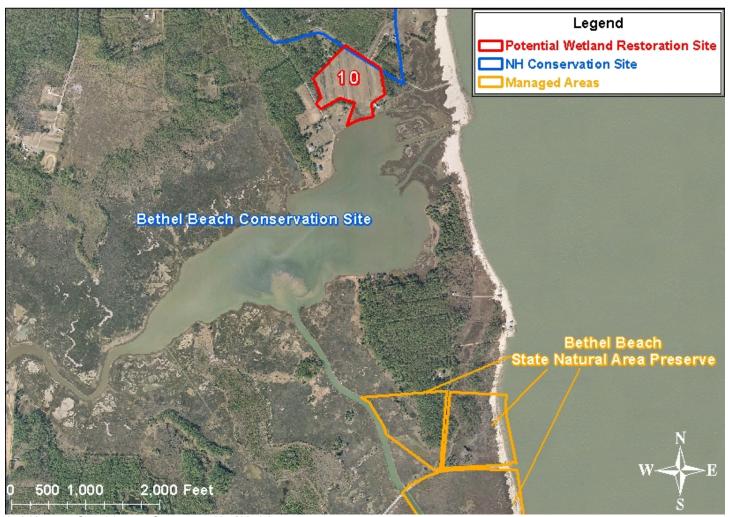
Sub-basin: 02080102 – Great Wicomico - Piankatank

Conservation Site Name: Bethel Beach

Conservation Site B-Rank: B3

County: Mathews USGS Quad: Mathews

Site ID: 10 Acreage: 13.2



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Sub-basin: 02080104 – Lower Rappahannock **Conservation Site Name:** South Fredericksburg

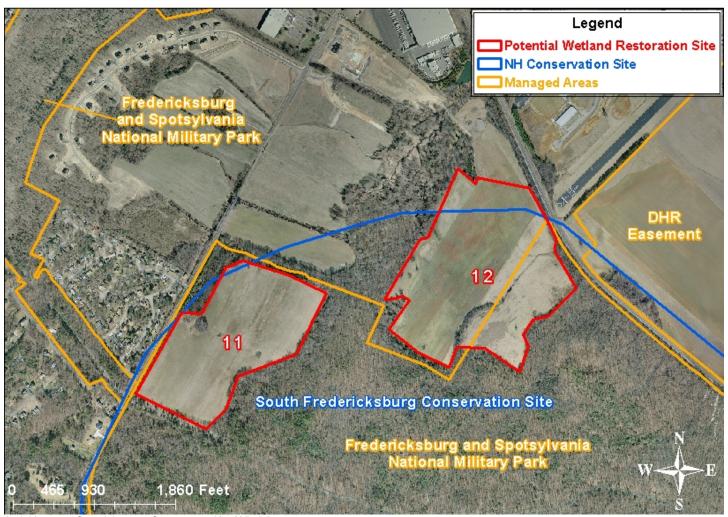
Conservation Site B-Rank: B2

County: Spotsylvania

USGS Quad: Fredericksburg

 Site ID: 11
 Site ID: 12

 Acreage: 48.0
 Acreage: 70.3



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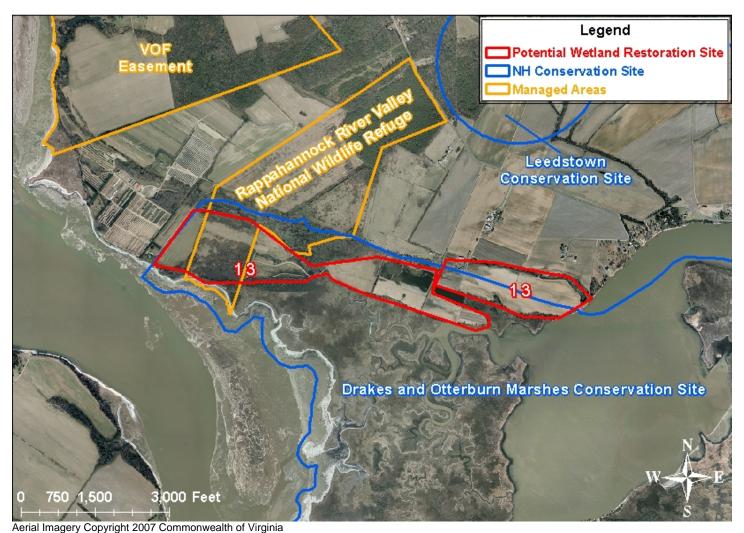
Sub-basin: 02080104 - Lower Rappahannock

Conservation Site Name: Drakes and Otterburn Marshes

Conservation Site B-Rank: B2

County: Westmoreland USGS Quad: Loretto

Site ID: 13 Acreage: 170.7







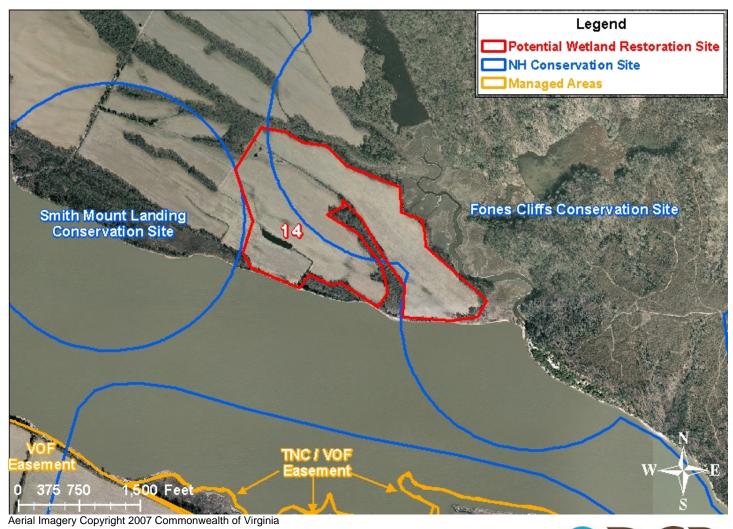
Sub-basin: 02080104 - Lower Rappahannock

Conservation Site Name: Fones Cliffs

Conservation Site B-Rank: B2

County: Westmoreland USGS Quad: Champlain

Site ID: 14 Acreage: 84.9







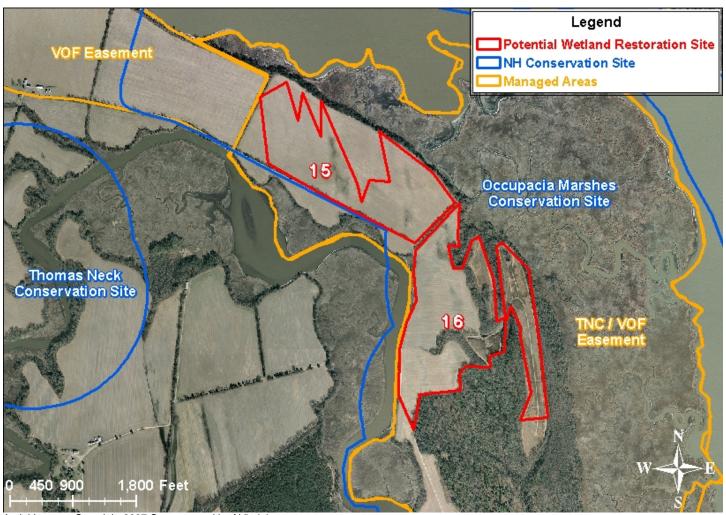
Conservation Site B-Rank: B2

County: Essex

USGS Quad: Champlain

 Site ID: 15
 Site ID: 16

 Acreage: 56.3
 Acreage: 78.0



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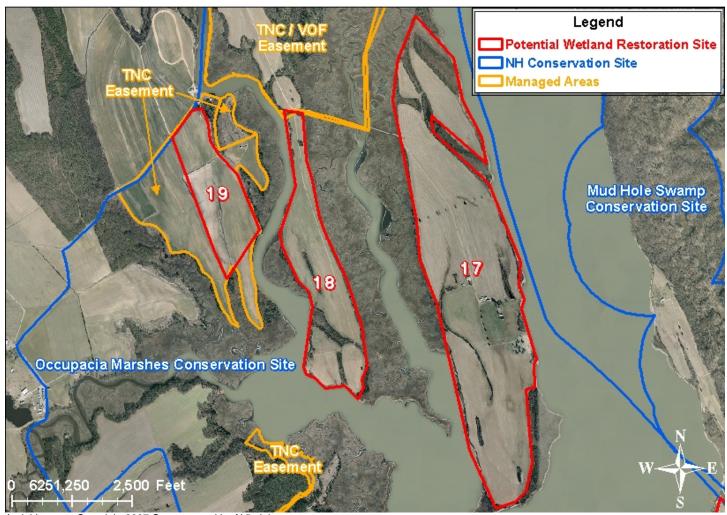
Conservation Site B-Rank: B2

County: Essex

USGS Quad: Champlain

 Site ID: 17
 Site ID: 18
 Site ID: 19

 Acreage: 338.0
 Acreage: 104.8
 Acreage: 65.0



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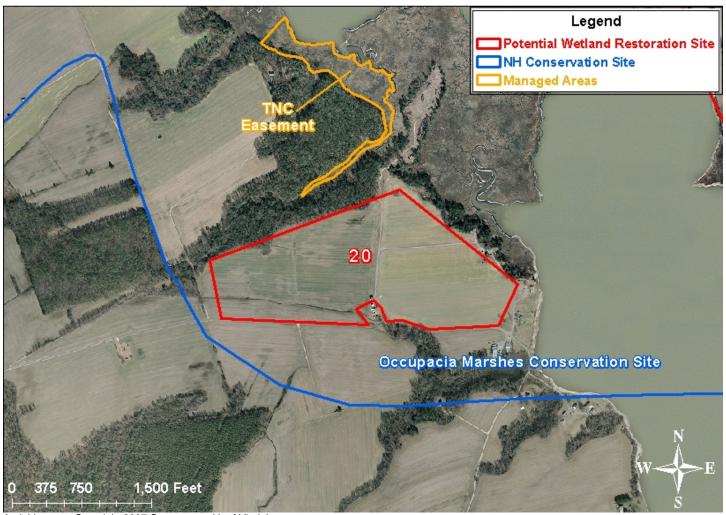


Conservation Site B-Rank: B2

County: Essex

USGS Quad: Champlain

Site ID: 20 Acreage: 74.4



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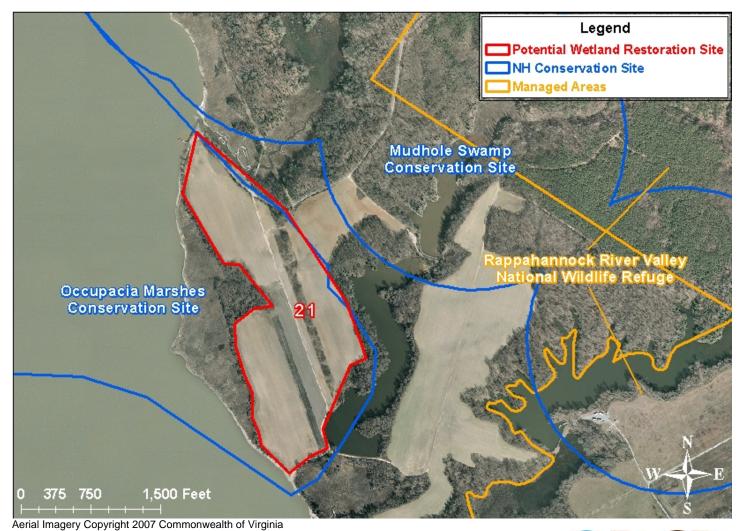




Conservation Site B-Rank: B2

County: Richmond USGS Quad: Champlain

Site ID: 21 Acreage: 72.1







Sub-basin: 02080104 – Lower Rappahannock **Conservation Site Name:** Mulberry Island

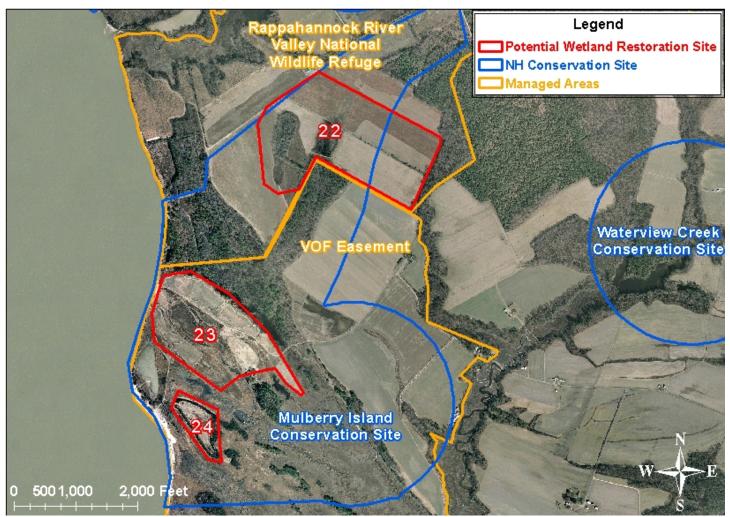
Conservation Site B-Rank: B2

County: Richmond

USGS Quad: Champlain/Mount Landing

 Site ID: 22
 Site ID: 23
 Site ID: 24

 Acreage: 88.7
 Acreage: 58.3
 Acreage: 11.6



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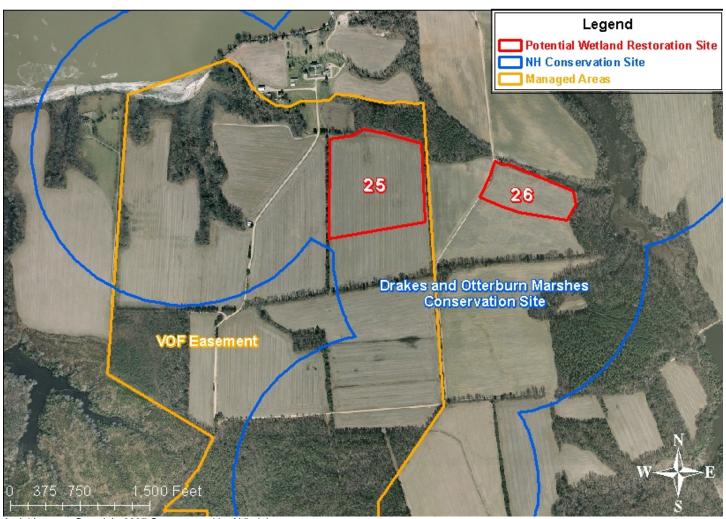
Sub-basin: 02080104 – Lower Rappahannock

Conservation Site Name: Drakes and Otterburn Marshes

Conservation Site B-Rank: B2

County: Essex USGS Quad: Loretto

Site ID: 25
Acreage: 23.8
Site ID: 26
Acreage: 8.8



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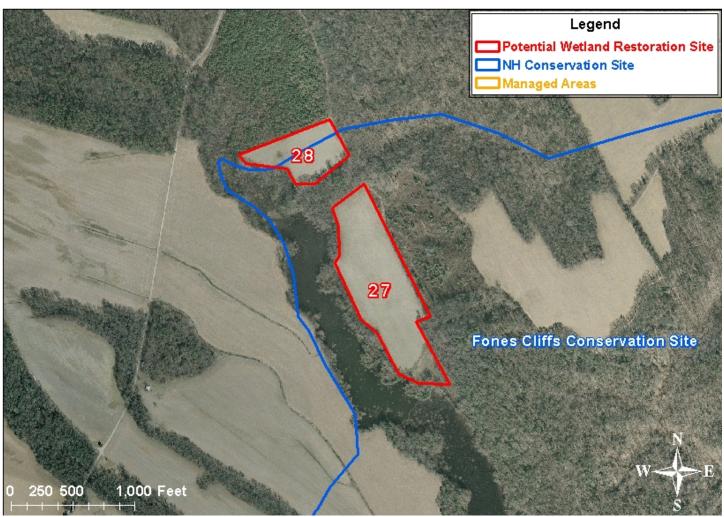
Sub-basin: 02080104 – Lower Rappahannock

Conservation Site Name: Fones Cliffs

Conservation Site B-Rank: B2

County: Westmoreland USGS Quad: Champlain

Site ID: 27 Site ID: 28 Acreage: 15.4 Acreage: 5.6



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Sub-basin: 02080104 - Lower Rappahannock

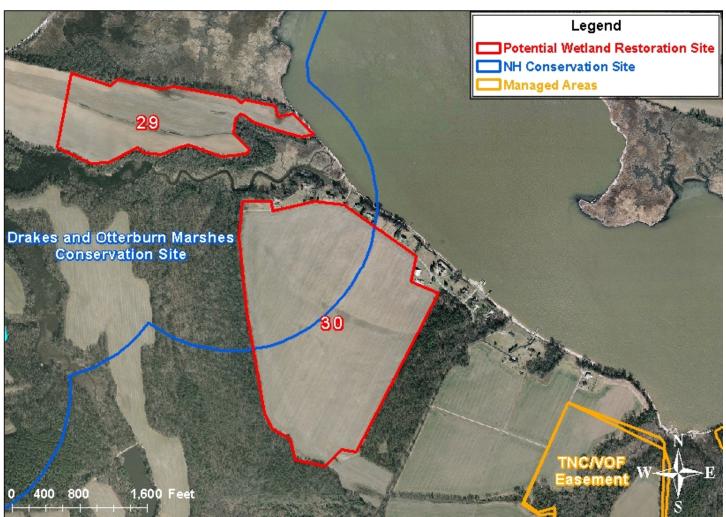
Conservation Site Name: Drakes and Otterburn Marshes

Conservation Site B-Rank: B2

County: Essex

USGS Quad: Loretto/Champlain

Site ID: 29 Site ID: 30 Acreage: 42.3 Acreage: 114.9



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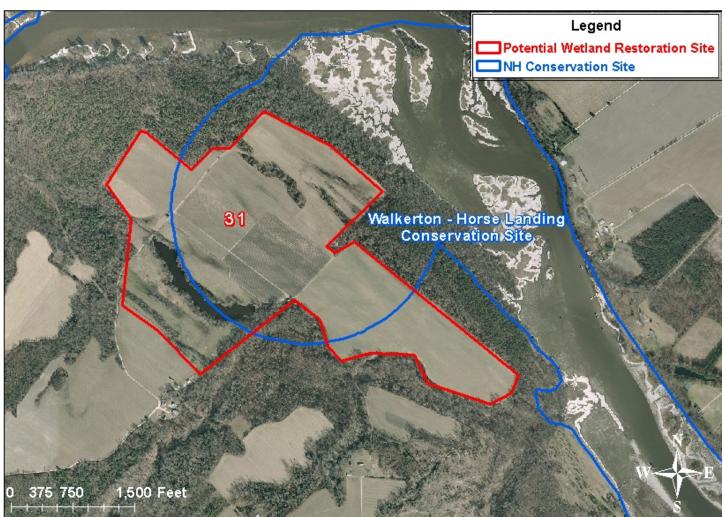
Sub-basin: 02080105 - Mattaponi

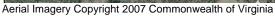
Conservation Site Name: Walkerton - Horse Landing

Conservation Site B-Rank: B3

County: King William USGS Quad: King William

Site ID: 31 Acreage: 192.5









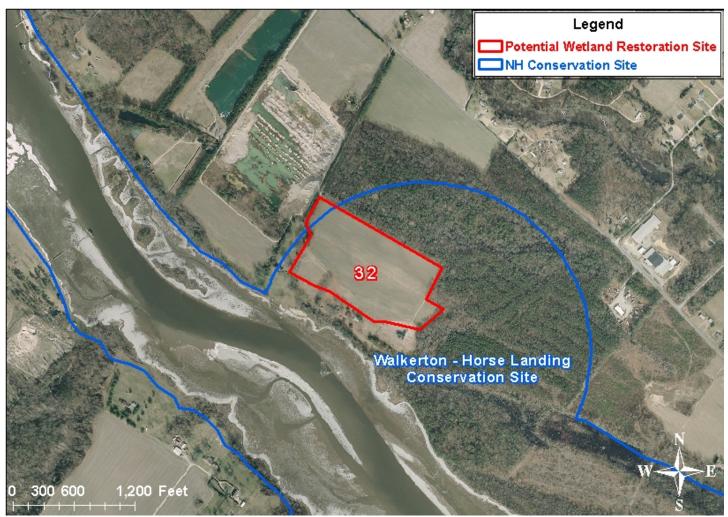
Sub-basin: 02080105 - Mattaponi

Conservation Site Name: Walkerton - Horse Landing

Conservation Site B-Rank: B3

County: King and Queen USGS Quad: King William

Site ID: 32 Acreage: 24.4



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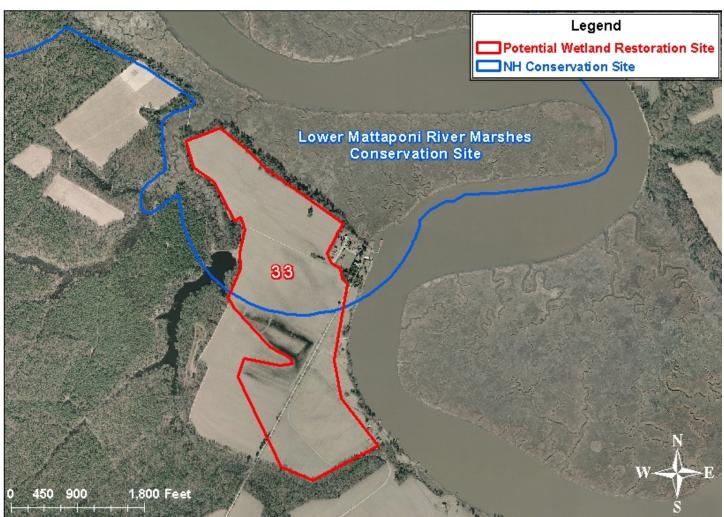
Sub-basin: 02080105 - Mattaponi

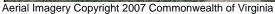
Conservation Site Name: Lower Mattaponi River Marshes

Conservation Site B-Rank: B2

County: King William USGS Quad: West Point

Site ID: 33 Acreage: 123.8







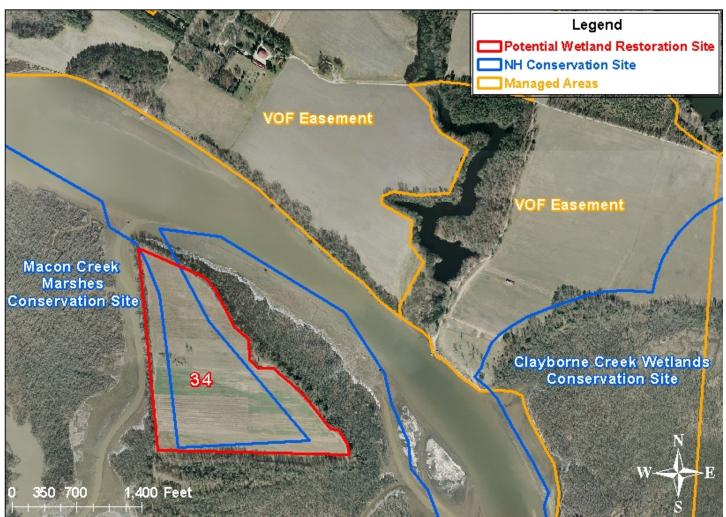


Conservation Site Name: Macon Creek Marshes

Conservation Site B-Rank: B2

County: New Kent USGS Quad: Tunstall

Site ID: 34 Acreage: 60.2



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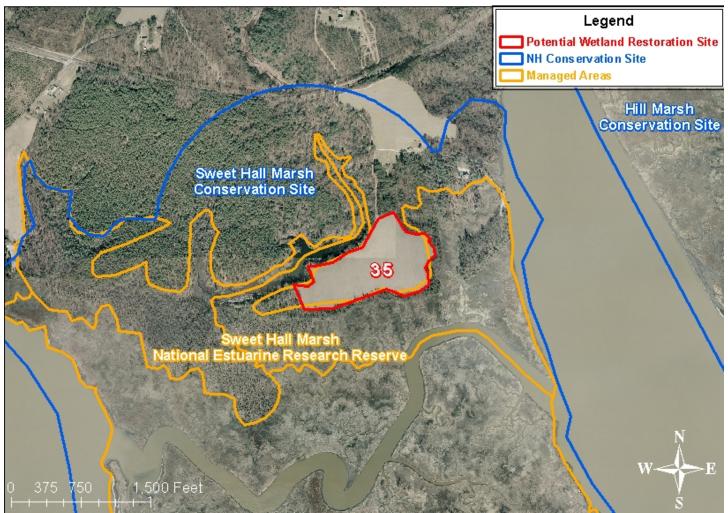


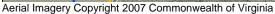
Conservation Site Name: Sweet Hall Marsh

Conservation Site B-Rank: B2

County: King William USGS Quad: New Kent

Site ID: 35 Acreage: 18.9







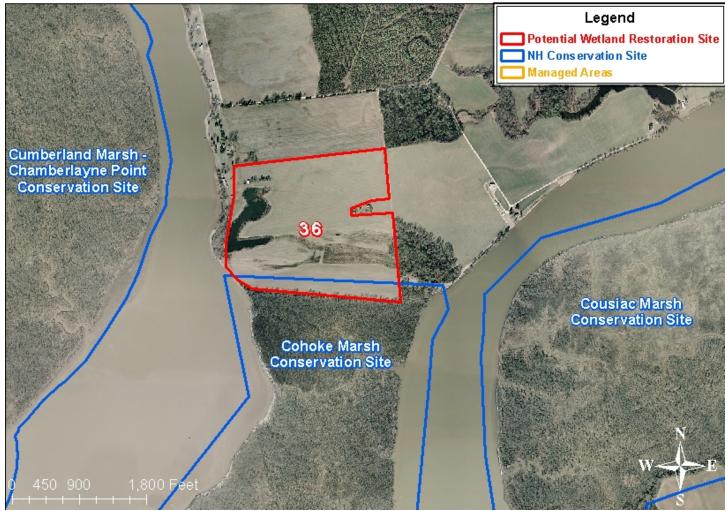


Conservation Site Name: Cohoke Marsh

Conservation Site B-Rank: B3

County: King William USGS Quad: New Kent

Site ID: 36 Acreage: 90.4



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Conservation Site Name: Macon Creek Marshes

Conservation Site B-Rank: B2

County: New Kent USGS Quad: Tunstall

Site ID: 37 Acreage: 67.3



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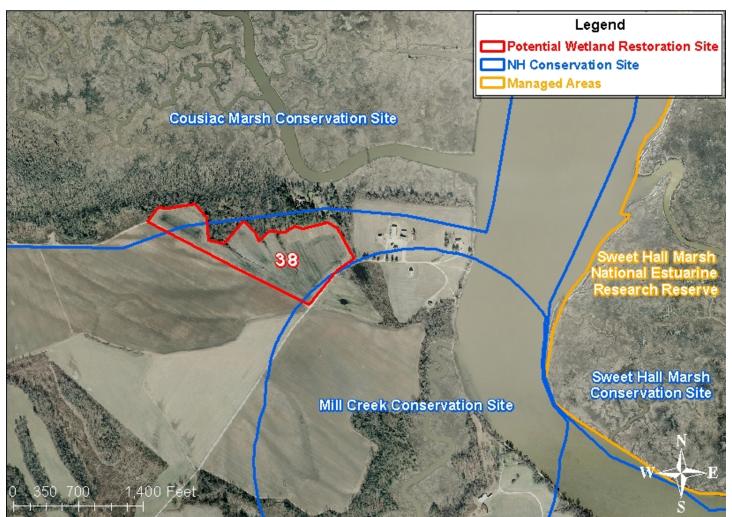
Sub-basin: 02080106 - Pamunkey

Conservation Site Name: Cousiac Marsh

Conservation Site B-Rank: B2

County: New Kent USGS Quad: New Kent

Site ID: 38 Acreage: 22.8



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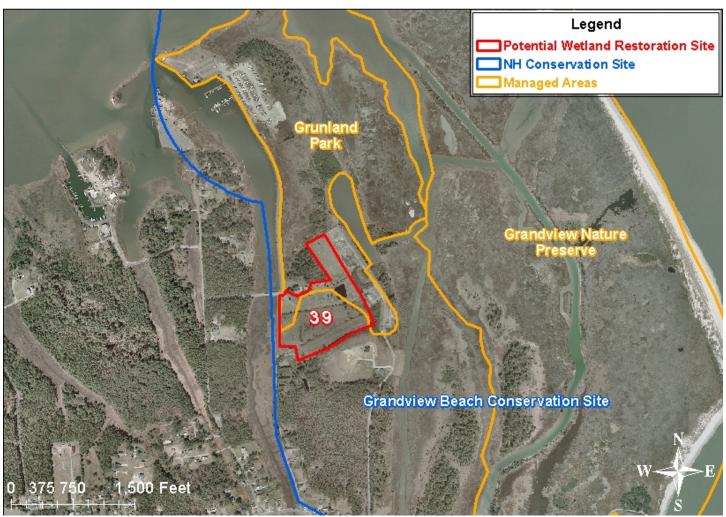




Sub-basin: 02080108 – Lynnhaven - Poquoson **Conservation Site Name:** Grandview Beach

Conservation Site B-Rank: B3 Locality: City of Hampton USGS Quad: Hampton

Site ID: 39 Acreage: 20.4



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Conservation Site Name: Parkers Marsh/Island

Conservation Site B-Rank: B2

County: Accomack

USGS Quad: Pungoteague

 Site ID: 40
 Site ID: 41

 Acreage: 28.3
 Acreage: 15.6



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Conservation Site Name: Savage Neck Dunes

Conservation Site B-Rank: B1

County: Northampton

USGS Quad: Cape Charles

Site ID: 42 Site ID: 43 Acreage: 128.3 Acreage: 6.7



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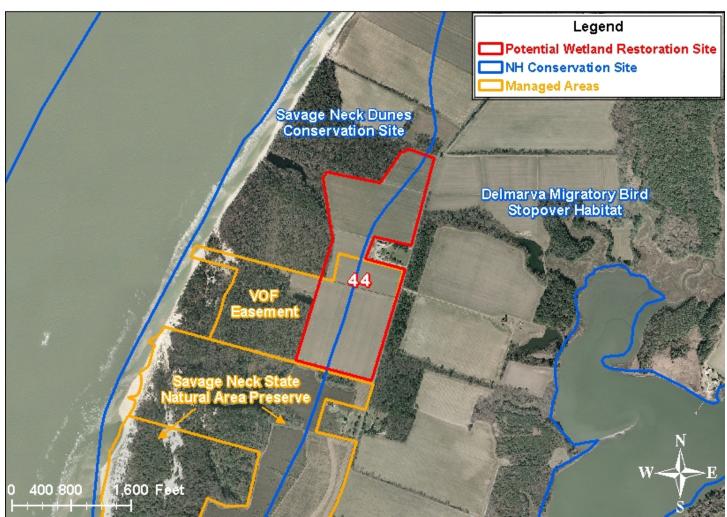
Conservation Site Name: Savage Neck Dunes

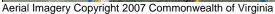
Conservation Site B-Rank: B1

County: Northampton

USGS Quad: Cape Charles

Site ID: 44 Acreage: 68.2









Conservation Site Name: Scarborough Neck

Conservation Site B-Rank: B3

County: Accomack USGS Quad: Jamesville

Site ID: 45 Acreage: 51.4



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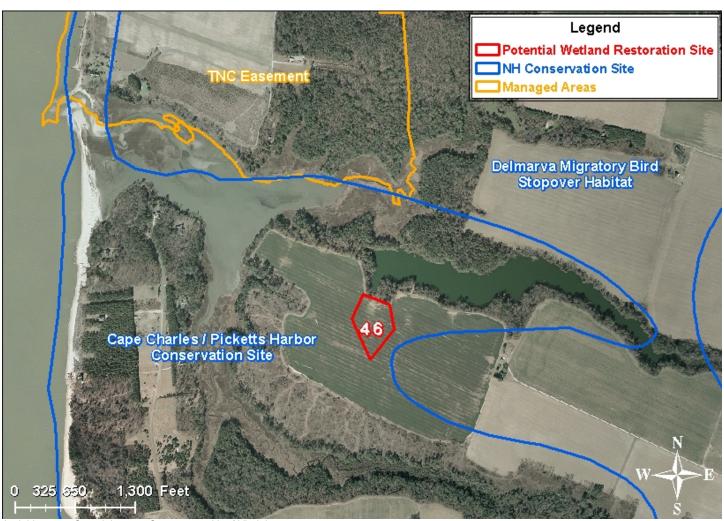


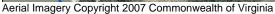
Sub-basin: 02080111 – Pokomoke – Western Lower Delmarva **Conservation Site Name:** Cape Charles / Picketts Harbor

Conservation Site B-Rank: B1

County: Northampton USGS Quad: Elliotts Creek

Site ID: 46 Acreage: 4.4









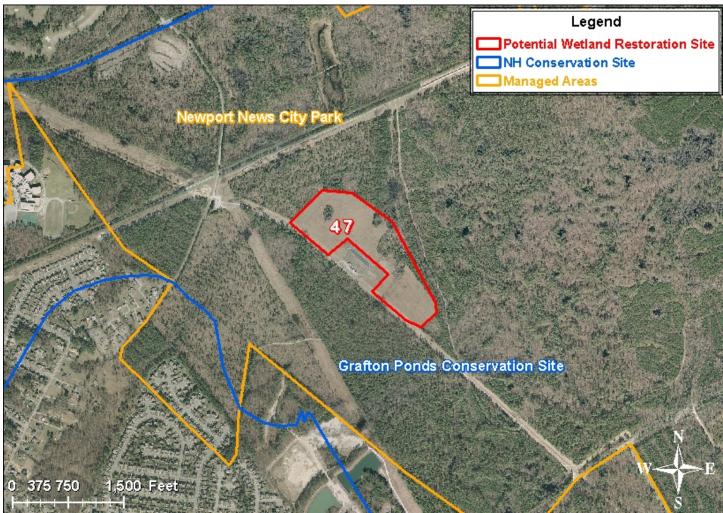
Sub-basin: 02080206 – Lower James **Conservation Site Name:** Grafton Ponds

Conservation Site B-Rank: B1

County: York

USGS Quad: Yorktown

Site ID: 47 Acreage: 31.6



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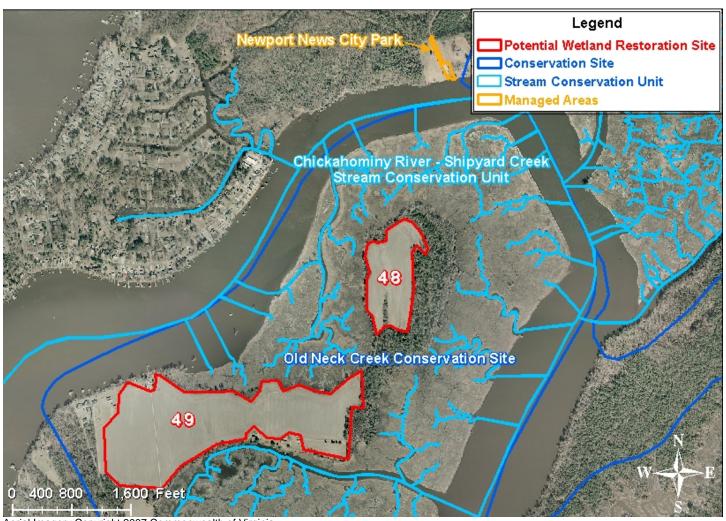


Sub-basin: 02080206 – Lower James **Conservation Site Name:** Old Neck Creek

Conservation Site B-Rank: B2

County: Charles City USGS Quad: Brandon

Site ID: 48 **Site ID:** 49 **Acreage:** 70.2



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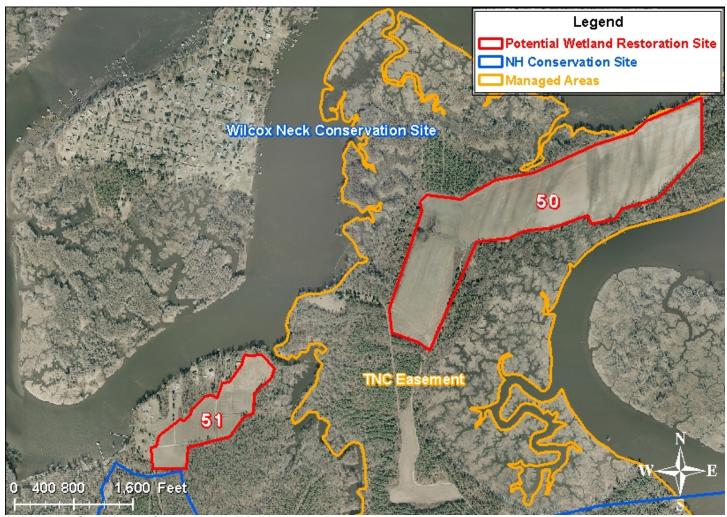


Sub-basin: 02080206 – Lower James **Conservation Site Name:** Wilcox Neck

Conservation Site B-Rank: B3

County: Charles City USGS Quad: Walkers

Site ID: 50 **Site ID:** 51 **Acreage:** 98.0 **Acreage:** 21.6



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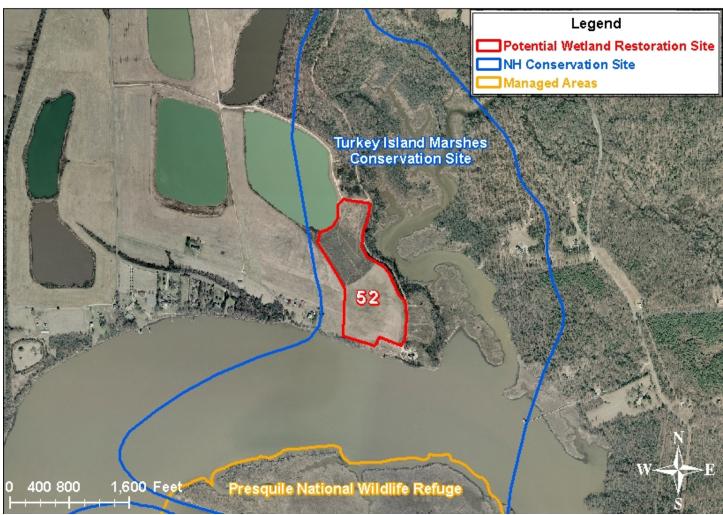
Conservation Site Name: Turkey Island Marshes

Conservation Site B-Rank: B3

County: Henrico

USGS Quad: Dutch Gap

Site ID: 52 Acreage: 28.5



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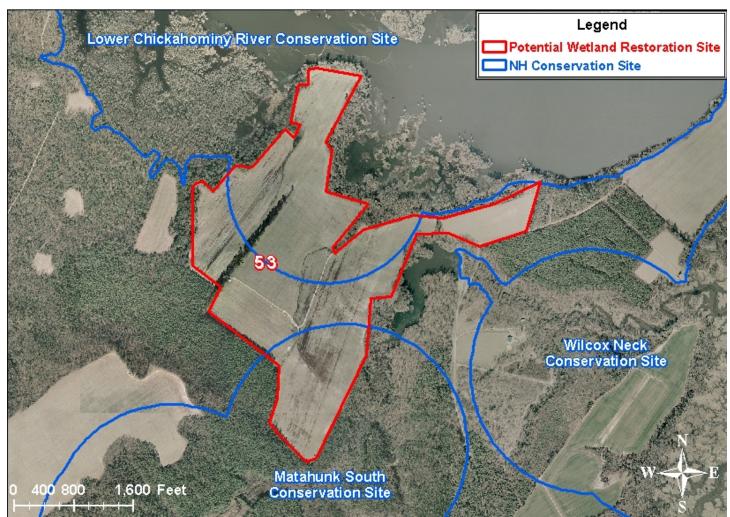


Conservation Site Name: Lower Chickahominy River

Conservation Site B-Rank: B2

County: Charles City USGS Quad: Walkers

Site ID: 53 Acreage: 191.1



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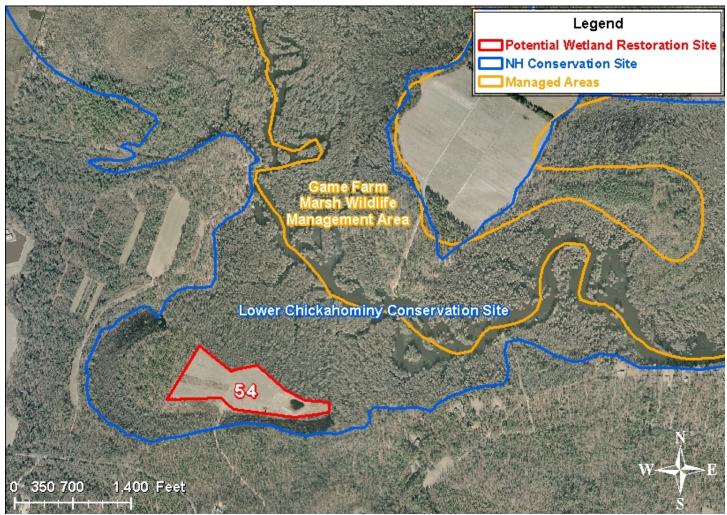
Conservation Site Name: Lower Chickahominy River

Conservation Site B-Rank: B2

County: Charles City

USGS Quad: Providence Forge

Site ID: 54 Acreage: 16.8



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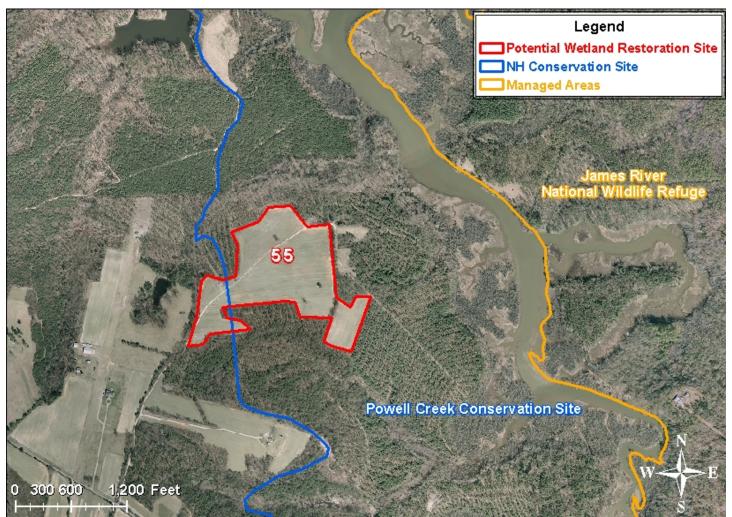


Sub-basin: 02080206 – Lower James **Conservation Site Name:** Powell Creek

Conservation Site B-Rank: B2

County: Prince George USGS Quad: Westover

Site ID: 55 Acreage: 33.2



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Conservation Site Name: Mill Creek – James City County Marshes

Conservation Site B-Rank: B3

County: James City USGS Quad: Hog Island

Site ID: 56 Acreage: 42.7



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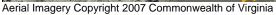
Sub-basin: 02080206 – Lower James **Conservation Site Name:** Wilcox Neck

Conservation Site B-Rank: B3

County: New Kent USGS Quad: Walkers

Site ID: 57 Acreage: 39.2









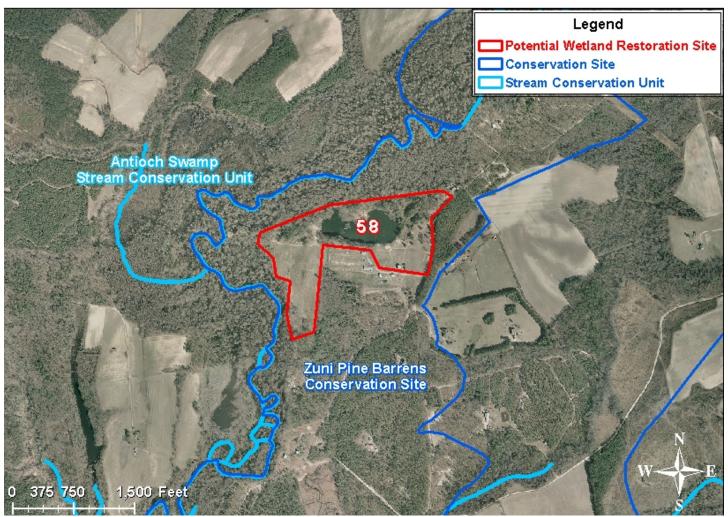
Sub-basin: 03010202 - Blackwater

Conservation Site Name: Zuni Pine Barrens

Conservation Site B-Rank: B2

County: Isle of Wight USGS Quad: Zuni

Site ID: 58 Acreage: 41.1



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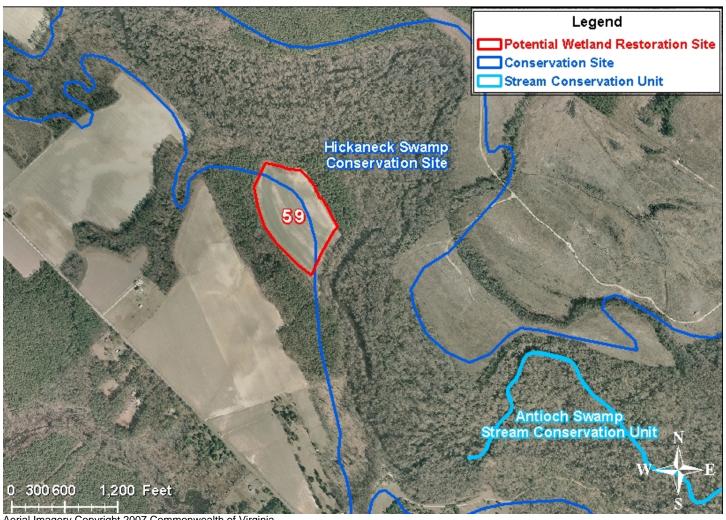
Sub-basin: 03010202 - Blackwater

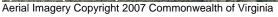
Conservation Site Name: Hickaneck Swamp

Conservation Site B-Rank: B3

County: Southampton **USGS Quad:** Raynor

Site ID: 59 Acreage: 16.2









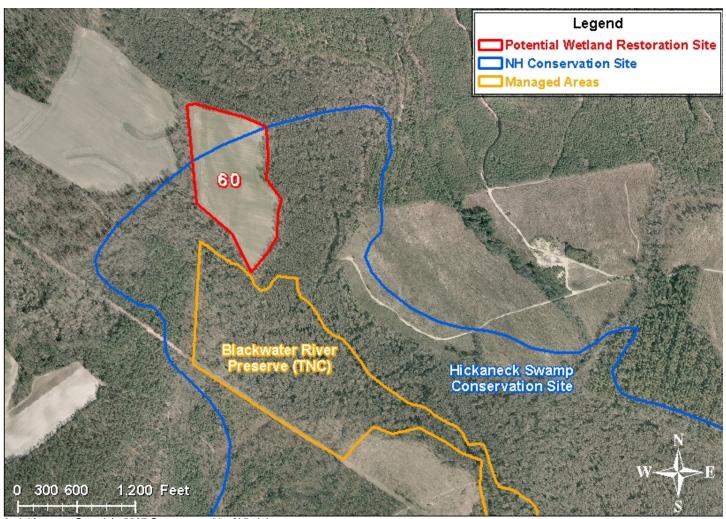
Sub-basin: 03010202 – Blackwater

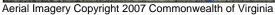
Conservation Site Name: Hickaneck Swamp

Conservation Site B-Rank: B3

County: Southampton **USGS Quad:** Raynor

Site ID: 60 Acreage: 23.6









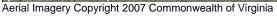
Conservation Site Name: Great Dismal Swamp

Conservation Site B-Rank: B2 Locality: City of Chesapeake USGS Quad: Lake Drummond

Site ID: 61

Acreage: 2484.3





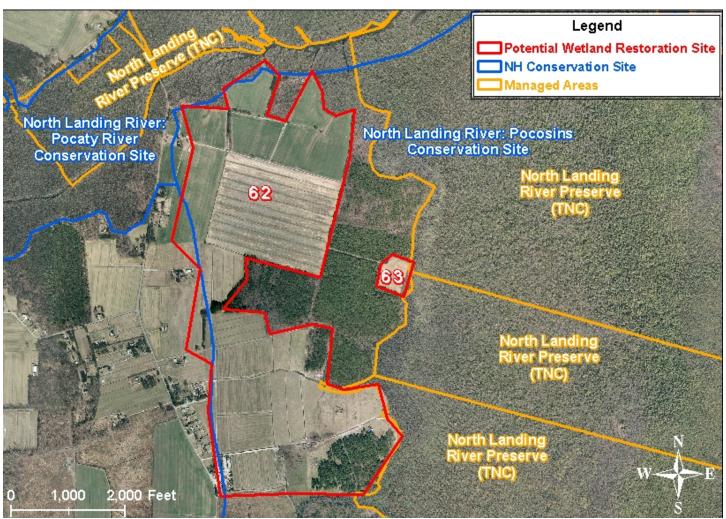


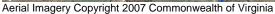


Conservation Site Name: North Landing River: Pocosins

Conservation Site B-Rank: B2 Locality: City of Virginia Beach USGS Quad: Pleasant Ridge

Site ID: 62 Site ID: 63 Acreage: 397.2 Acreage: 7.3





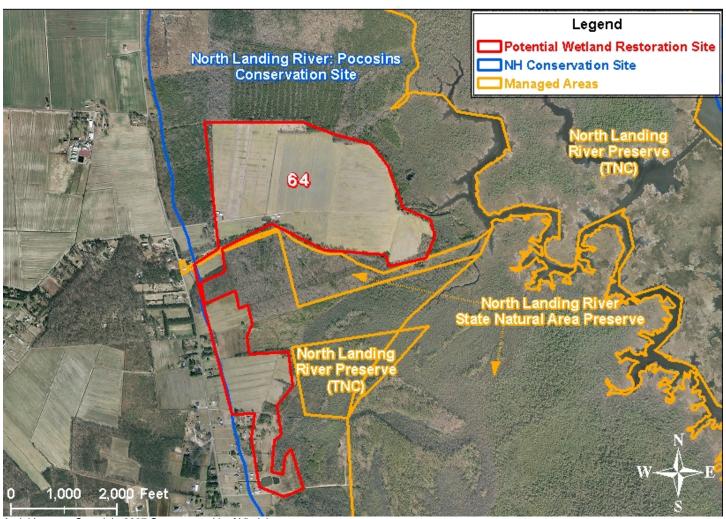


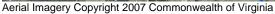


Conservation Site Name: North Landing River: Pocosins

Conservation Site B-Rank: B2 Locality: City of Virginia Beach USGS Quad: Pleasant Ridge

Site ID: 64 Acreage: 257.3







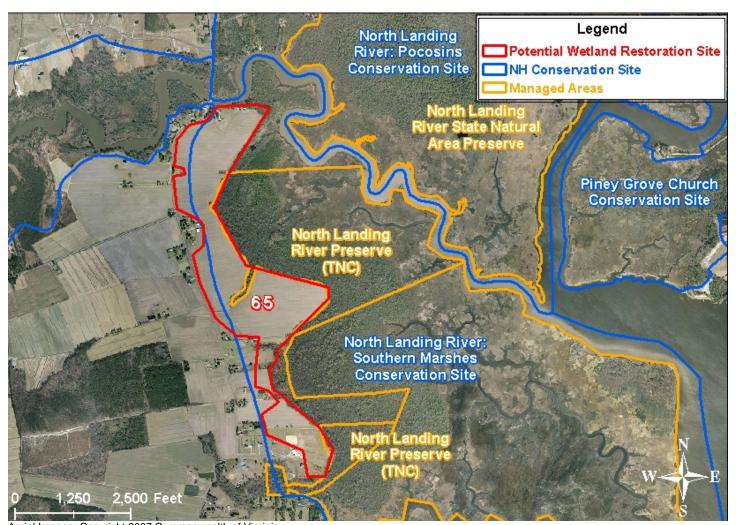


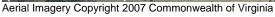
Conservation Site Name: North Landing River: Southern Marshes

Conservation Site B-Rank: B2 Locality: City of Virginia Beach

USGS Quad: Creeds

Site ID: 65 Acreage: 194.9







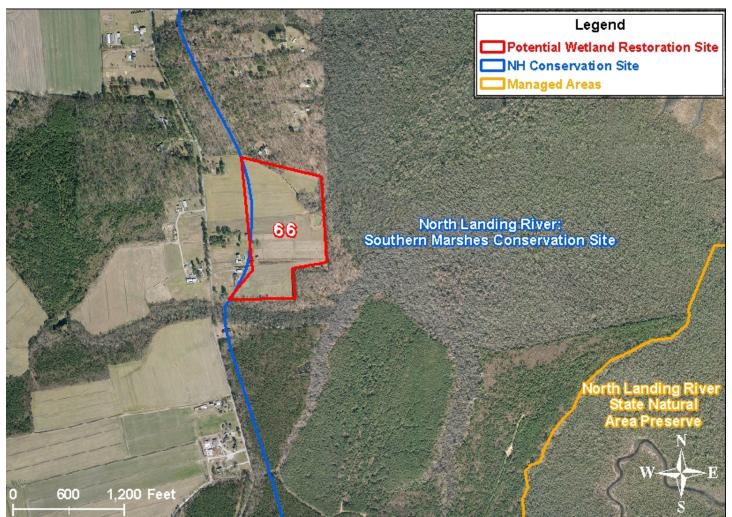


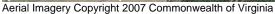
Conservation Site Name: North Landing River: Southern Marshes

Conservation Site B-Rank: B2 Locality: City of Virginia Beach

USGS Quad: Creeds

Site ID: 66 Acreage: 24.7









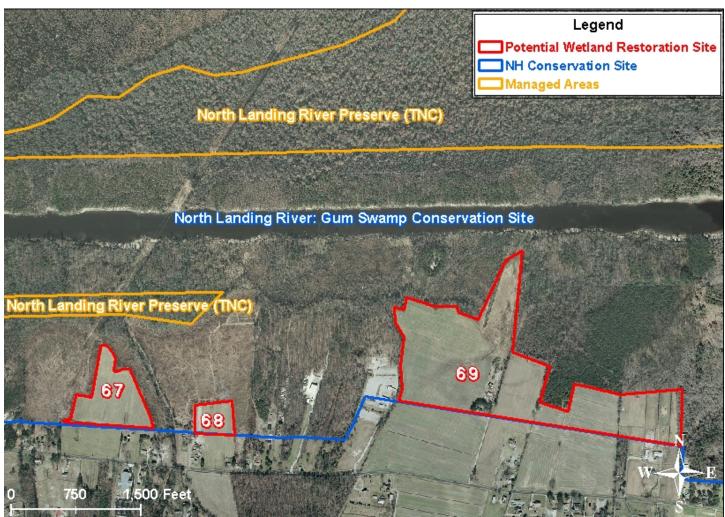
Conservation Site Name: North Landing River: Gum Swamp

Conservation Site B-Rank: B2 Locality: City of Chesapeake

USGS Quad: Fentress

 Site ID: 67
 Site ID: 68
 Site ID: 69

 Acreage: 11.2
 Acreage: 3.7
 Acreage: 62.9



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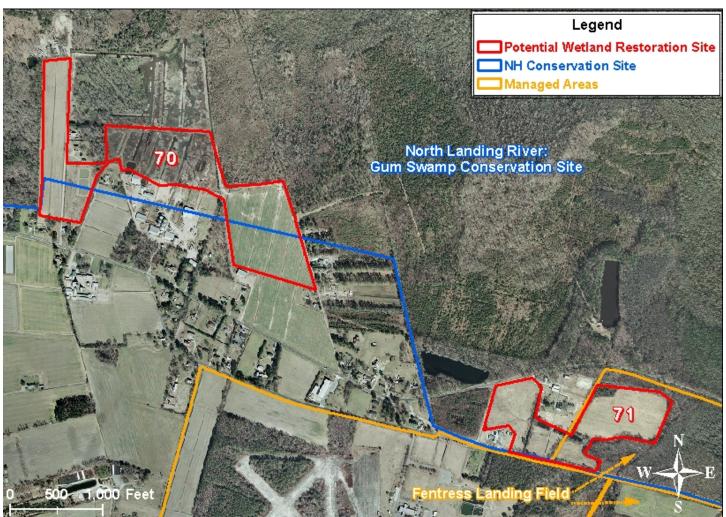


Conservation Site Name: North Landing River: Gum Swamp

Conservation Site B-Rank: B2 Locality: City of Chesapeake

USGS Quad: Fentress / Pleasant Ridge

Site ID: 70 Site ID: 71 Acreage: 47.1 Acreage: 23.7



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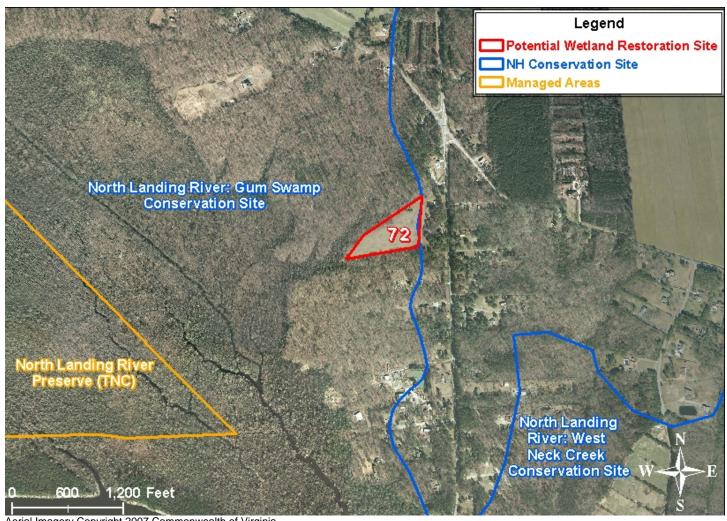


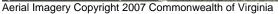


Conservation Site Name: North Landing River: Gum Swamp

Conservation Site B-Rank: B2 Locality: City of Virginia Beach **USGS Quad:** Pleasant Ridge

Site ID: 72 Acreage: 5.8







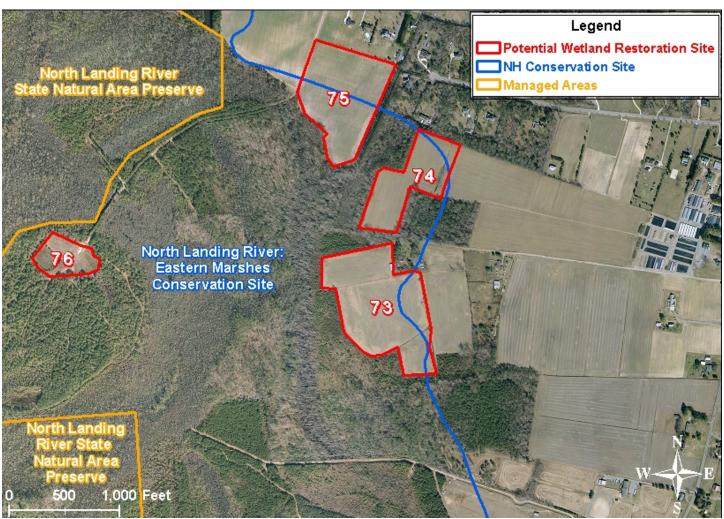


Conservation Site Name: North Landing River: Eastern Marshes

Conservation Site B-Rank: B2 Locality: City of Virginia Beach USGS Quad: Pleasant Ridge

 Site ID: 73
 Site ID: 74
 Site ID: 75
 Site ID: 76

 Acreage: 17.4
 Acreage: 8.7
 Acreage: 13.7
 Acreage: 3.4



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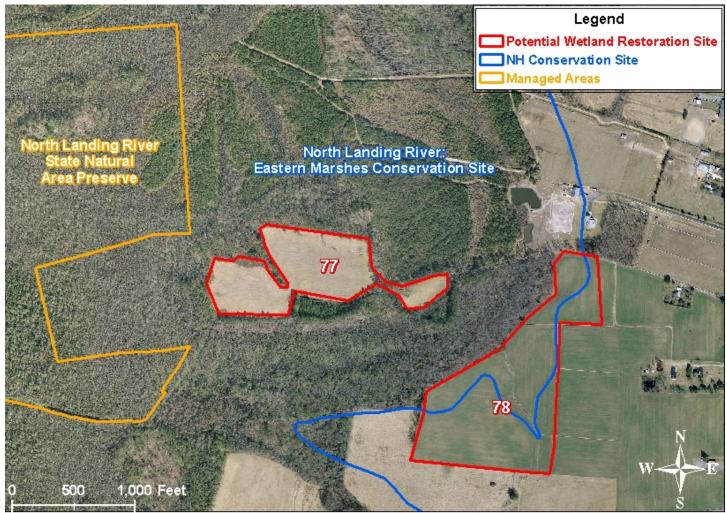


Conservation Site Name: North Landing River: Eastern Marshes

Conservation Site B-Rank: B2 Locality: City of Virginia Beach USGS Quad: Pleasant Ridge

 Site ID: 77
 Site ID: 78

 Acreage: 17.1
 Acreage: 29.1



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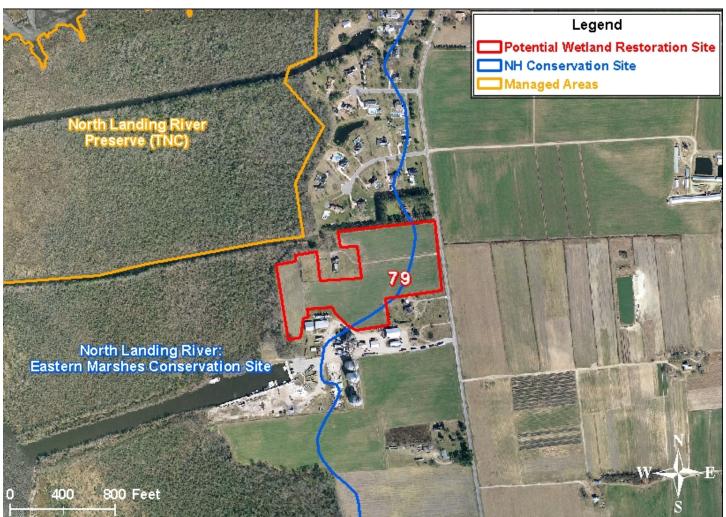




Conservation Site Name: North Landing River: Eastern Marshes

Conservation Site B-Rank: B2 Locality: City of Virginia Beach USGS Quad: Pleasant Ridge

Site ID: 79 Acreage: 14.5



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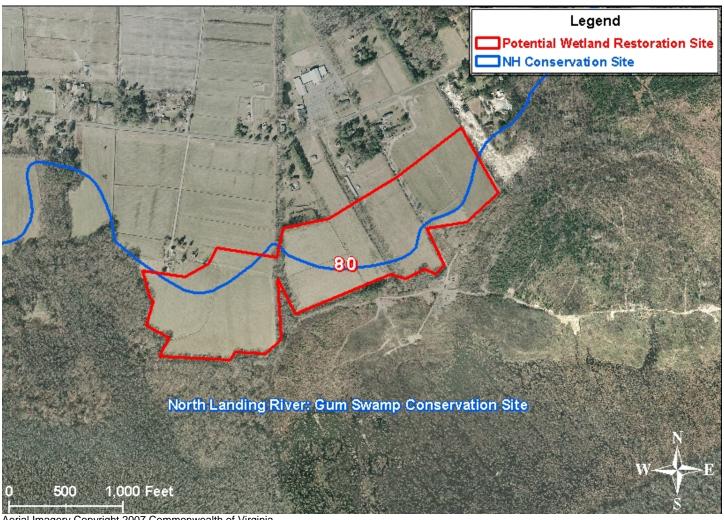


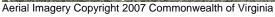
Conservation Site Name: North Landing River: Gum Swamp

Conservation Site B-Rank: B2 Locality: City of Chesapeake

USGS Quad: Fentress

Site ID: 80 Acreage: 53.9







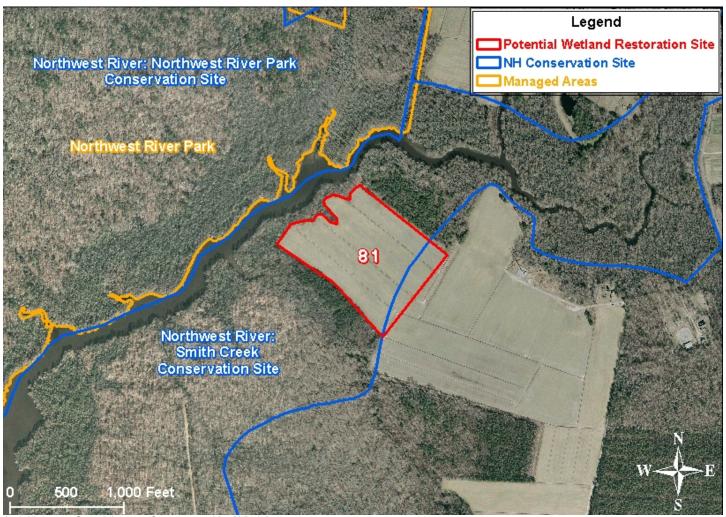


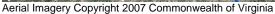
Conservation Site Name: Northwest River: Smith Creek

Conservation Site B-Rank: B2 Locality: City of Chesapeake

USGS Quad: Moyock

Site ID: 81 Acreage: 22.1







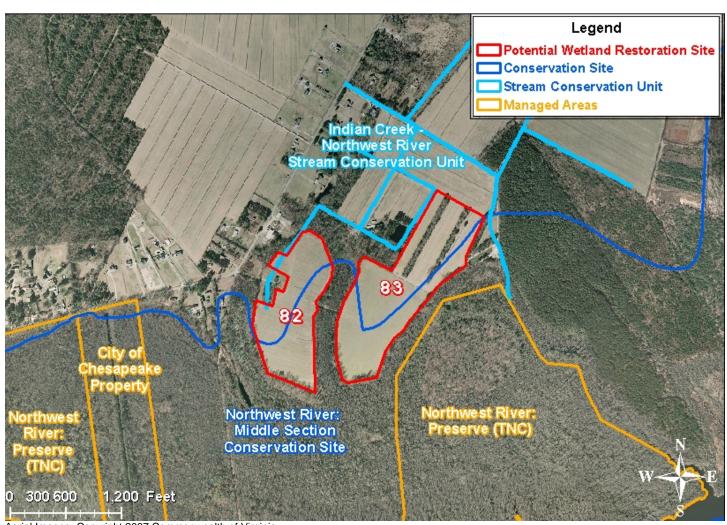


Conservation Site Name: Northwest River: Middle Section

Conservation Site B-Rank: B2 Locality: City of Chesapeake

USGS Quad: Moyock

Site ID: 82 Site ID: 83 Acreage: 31.7



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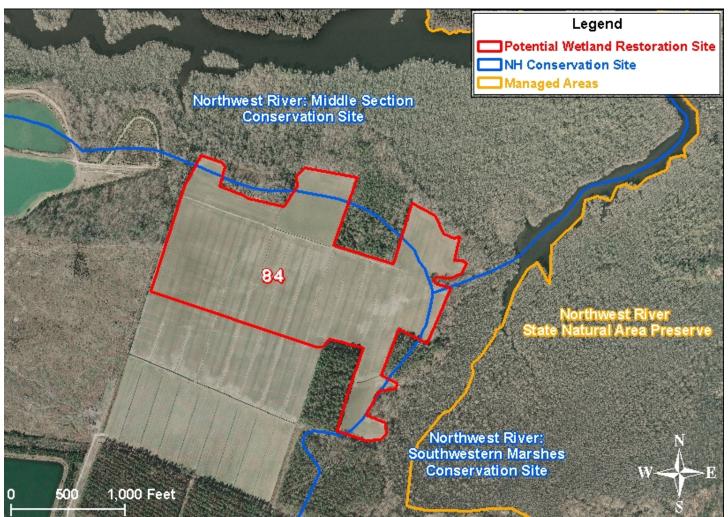


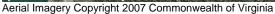
Conservation Site Name: Northwest River: Middle Section

Conservation Site B-Rank: B2 Locality: City of Chesapeake

USGS Quad: Moyock

Site ID: 84 Acreage: 69.8







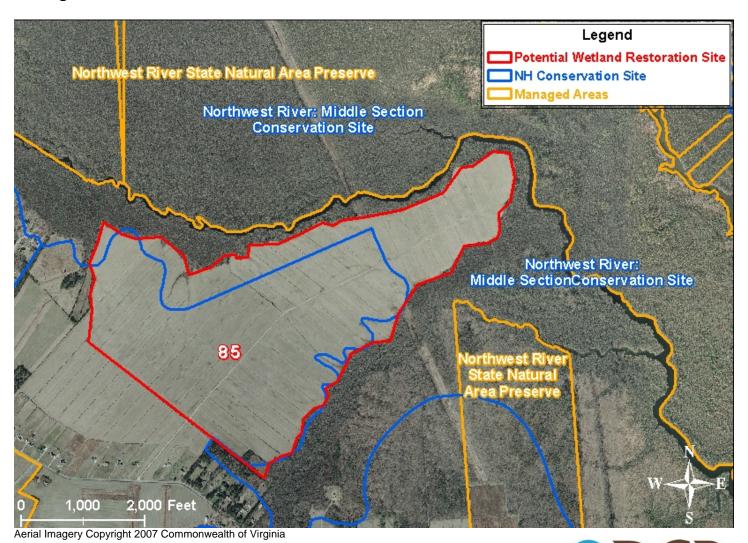


Conservation Site Name: Northwest River: Middle Section

Conservation Site B-Rank: B2 Locality: City of Chesapeake

USGS Quad: Moyock

Site ID: 85 Acreage: 355.7





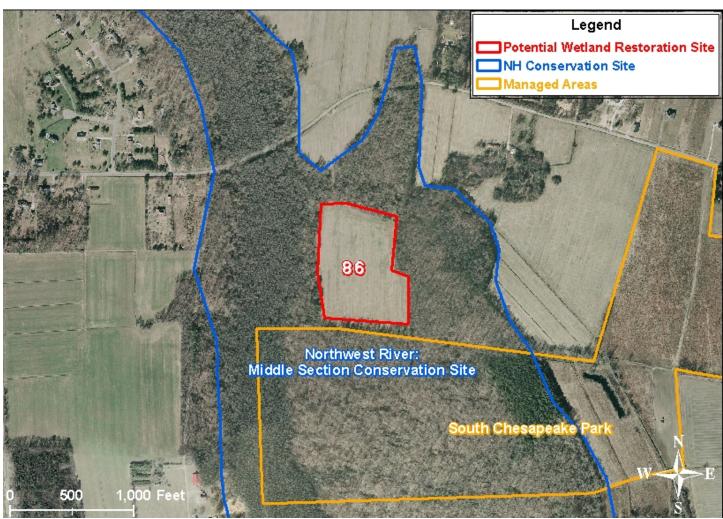


Conservation Site Name: Northwest River: Middle Section

Conservation Site B-Rank: B2 Locality: City of Chesapeake

USGS Quad: Moyock

Site ID: 86 Acreage: 13.6



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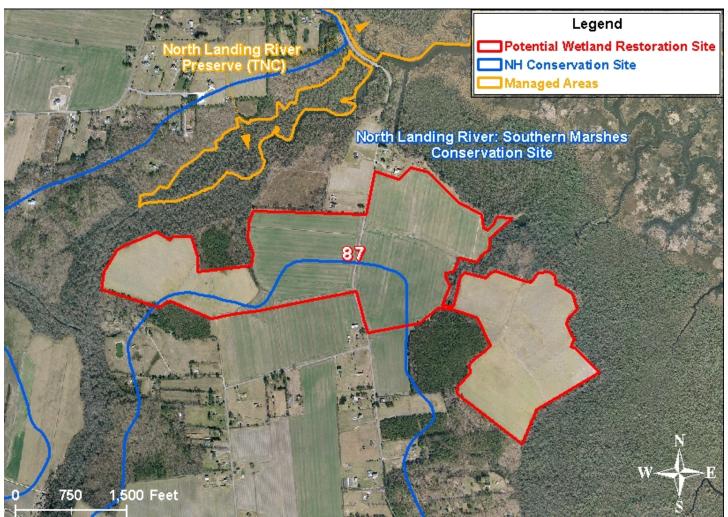


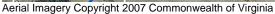
Conservation Site Name: North Landing River: Southern Marshes

Conservation Site B-Rank: B2 Locality: City of Virginia Beach

USGS Quad: Creeds

Site ID: 87 Acreage: 197.8









Conservation Site Name: North Landing River: Gum Swamp

Conservation Site B-Rank: B2 Locality: City of Chesapeake

USGS Quad: Fentress

Site ID: 88 Acreage: 24.6





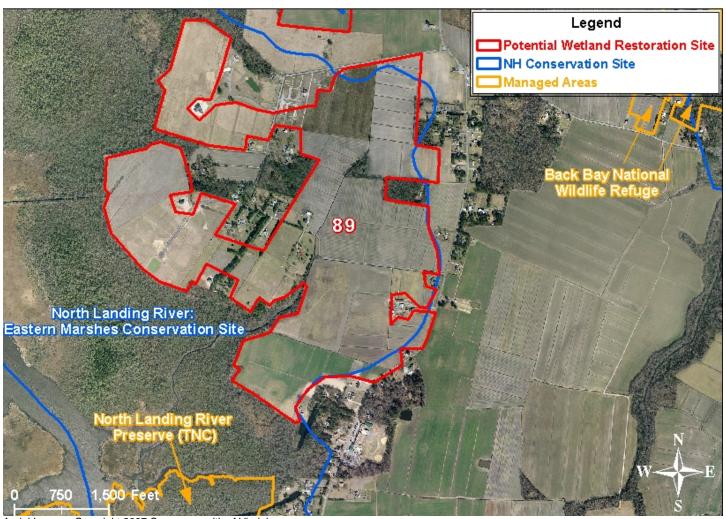


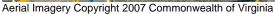


Conservation Site Name: North Landing River: Eastern Marshes

Conservation Site B-Rank: B2 Locality: City of Virginia Beach USGS Quad: Pleasant Ridge

Site ID: 89 Acreage: 384.9







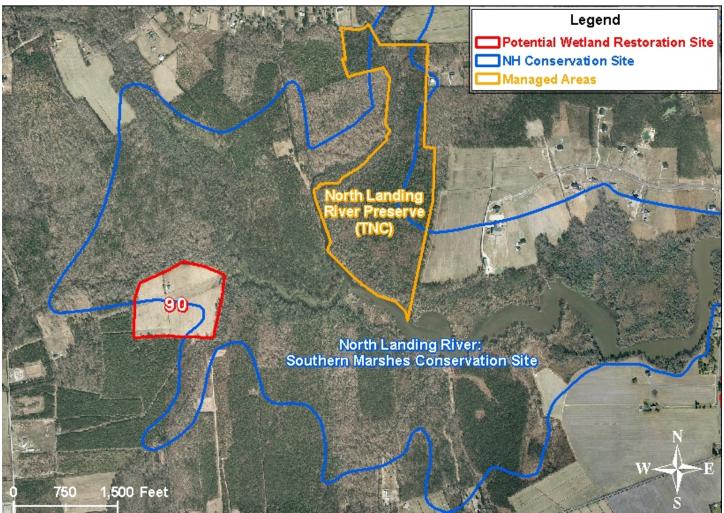


Conservation Site Name: North Landing River: Southern Marshes

Conservation Site B-Rank: B2 Locality: City of Virginia Beach

USGS Quad: Creeds

Site ID: 90 Acreage: 26.5



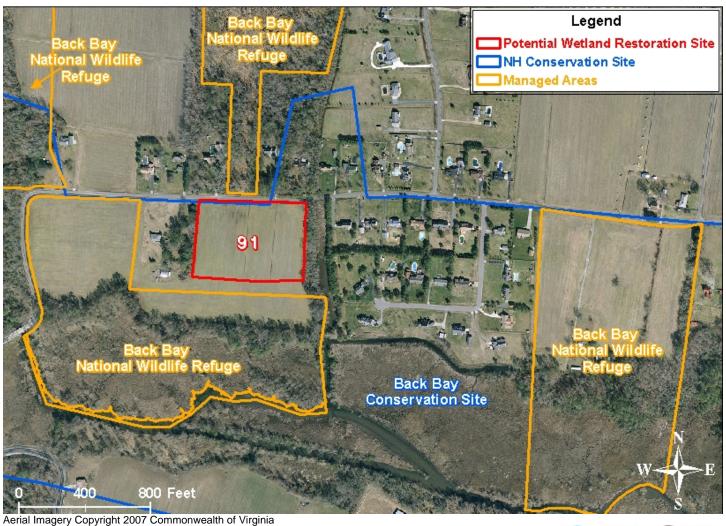
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Sub-basin: 03010205 - Albemarle **Conservation Site Name:** Back Bay Conservation Site B-Rank: B2 **Locality:** City of Virginia Beach **USGS Quad:** Pleasant Ridge

Site ID: 91 Acreage: 7.2







Sub-basin: 03010205 - Albemarle Conservation Site Name: Back Bay Conservation Site B-Rank: B2 Locality: City of Virginia Beach

USGS Quad: North Bay

Site ID: 92 Acreage: 8.6



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Sub-basin: 02080202 - Maury River

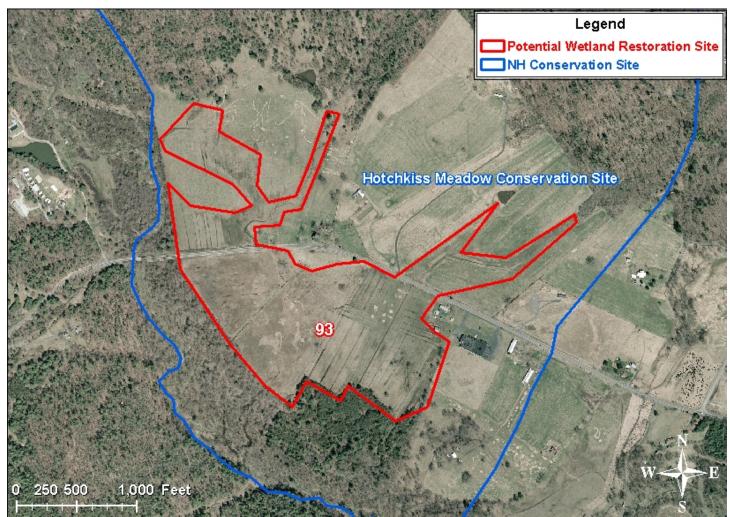
Conservation Site Name: Hotchkiss Meadow

Conservation Site B-Rank: B3

County: Bath

USGS Quad: Green Valley / Milboro

Site ID: 93 Acreage: 71.5



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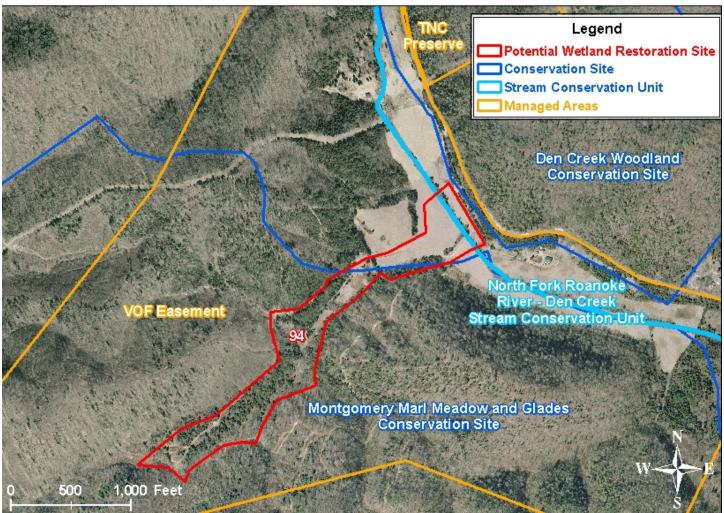
Sub-basin: 03010101- Upper Roanoke River

Conservation Site Name: Montgomery Marl Meadows and Glade

Conservation Site B-Rank: B2

County: Montgomery USGS Quad: Ironto

Site ID: 94 Acreage: 24.7



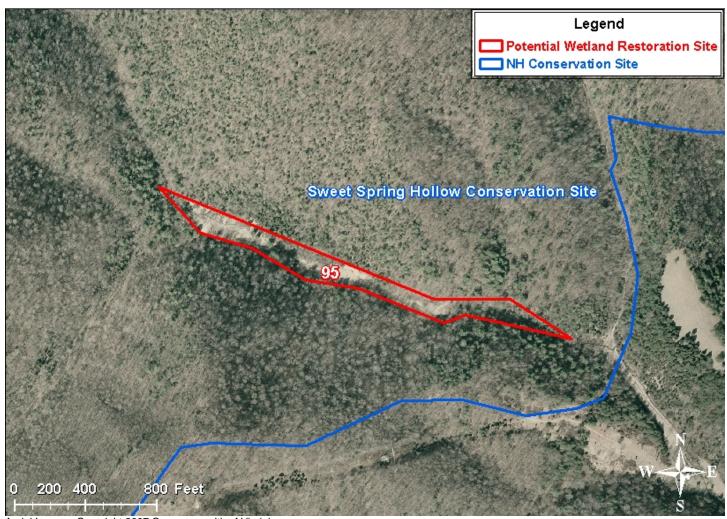


Sub-basin: 03010101 – Upper Roanoke River **Conservation Site Name:** Sweet Spring Hollow

Conservation Site B-Rank: B2

County: Montgomery USGS Quad: Ironto

Site ID: 95 Acreage: 6.4



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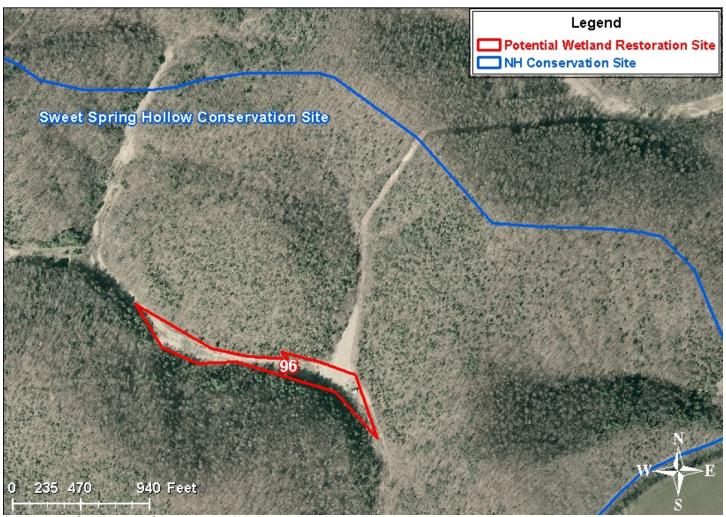


Sub-basin: 03010101 – Upper Roanoke River **Conservation Site Name:** Sweet Spring Hollow

Conservation Site B-Rank: B2

County: Montgomery USGS Quad: Ironto

Site ID: 96 Acreage: 5.1



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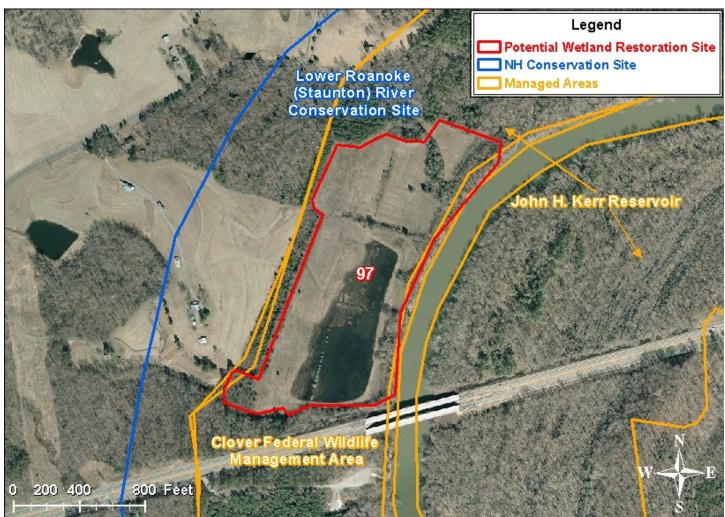
Sub-basin: 03010102- Middle Roanoke River

Conservation Site Name: Lower Roanoke (Staunton) River

Conservation Site B-Rank: B2

County: Halifax USGS Quad: Clover

Site ID: 97 Acreage: 31.8





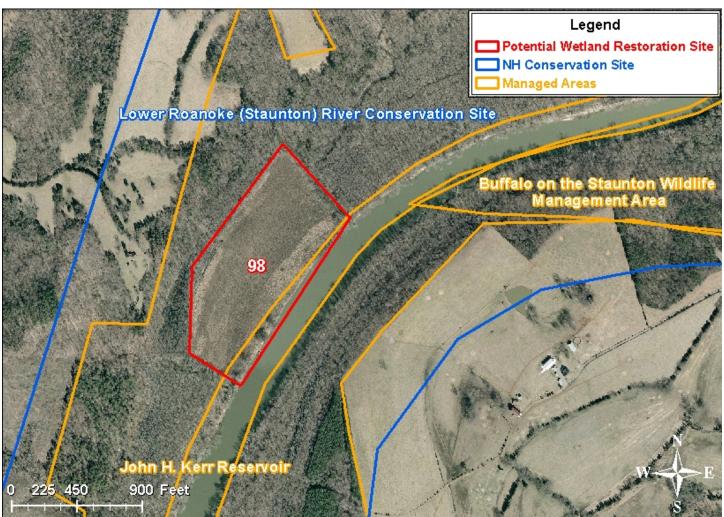
Sub-basin: 03010102- Middle Roanoke River

Conservation Site Name: Lower Roanoke (Staunton) River

Conservation Site B-Rank: B2

County: Halifax USGS Quad: Clover

Site ID: 98 Acreage: 22.1



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Sub-basin: 03010102- Middle Roanoke River

Conservation Site Name: Lower Roanoke (Staunton) River

Conservation Site B-Rank: B2

County: Halifax USGS Quad: Clover

Site ID: 99 Acreage: 10.7



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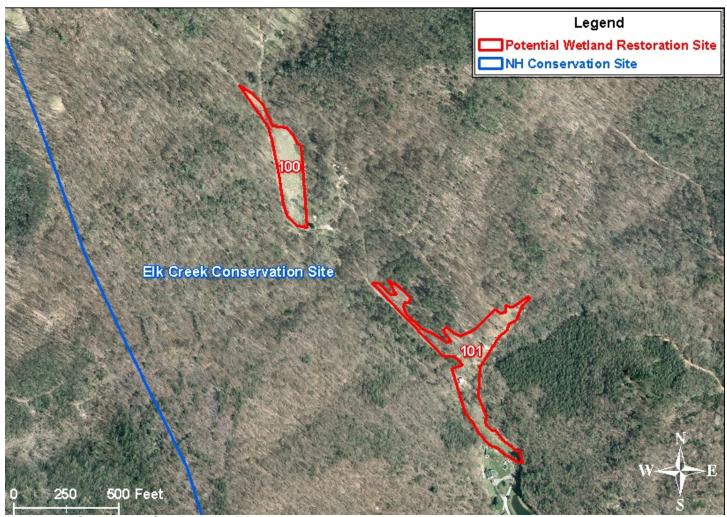


Sub-basin: 03010103 – Upper Dan River Conservation Site Name: Elk Creek Conservation Site B-Rank: B1

County: Patrick

USGS Quad: Stuart SE

Site ID: 100 Site ID: 101 Acreage: 1.3 Acreage: 2.5



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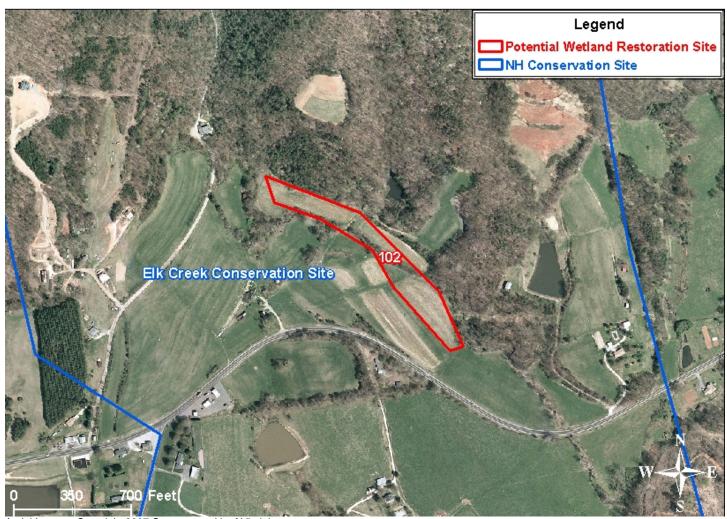


Sub-basin: 03010103 – Upper Dan River Conservation Site Name: Elk Creek Conservation Site B-Rank: B1

County: Patrick

USGS Quad: Stuart SE

Site ID: 102 Acreage: 4.7



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Sub-basin: 03010104- Lower Dan River

Conservation Site Name: Hyco River: US 501 to Rt. 744

Conservation Site B-Rank: B2

County: Halifax

USGS Quad: Cluster Springs

 Site ID: 103
 Site ID: 104

 Acreage: 8.3
 Acreage: 29.7



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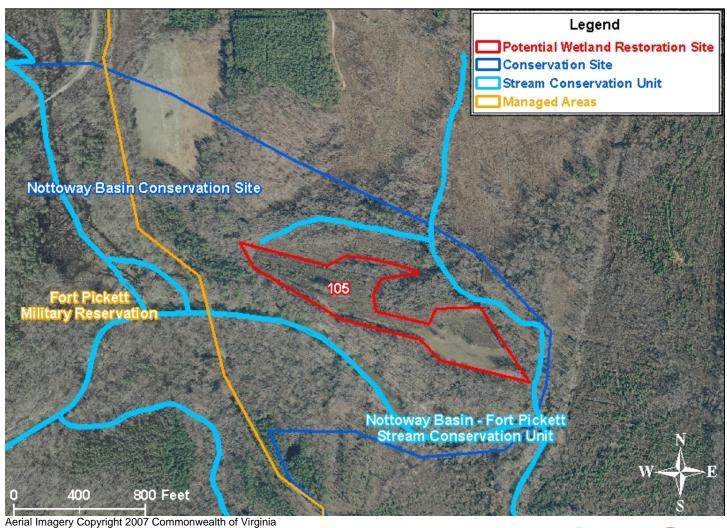


Sub-basin: 03010201 - Nottoway River Conservation Site Name: Nottoway Basin

Conservation Site B-Rank: B2

County: Dinwiddie **USGS Quad:** Warfield

Site ID: 105 Acreage: 9.7





Sub-basin: 03010204 - Meherrin River

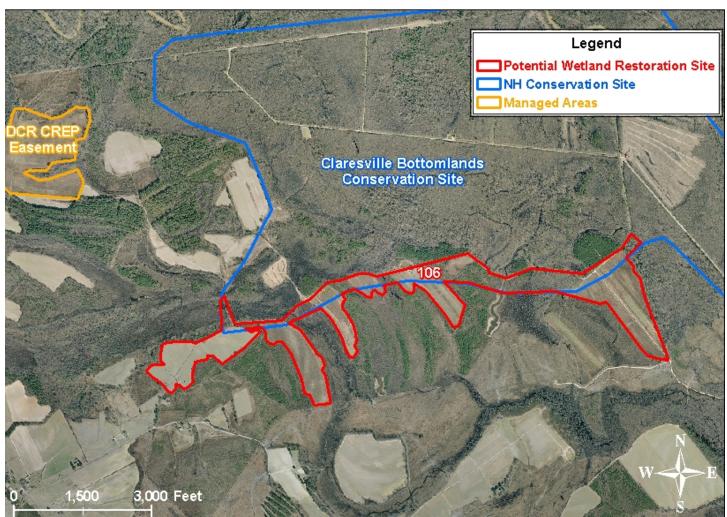
Conservation Site Name: Claresville Bottomlands

Conservation Site B-Rank: B2

County: Greensville

USGS Quad: Adams Grove

Site ID: 106 Acreage: 191.5





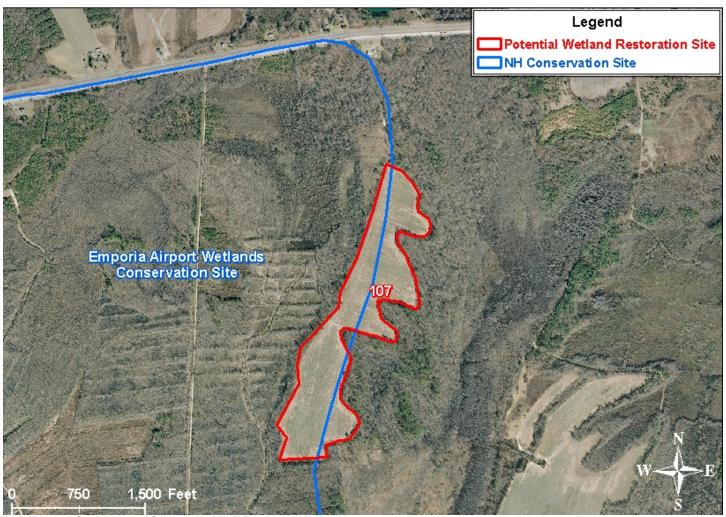
Sub-basin: 03010204 – Meherrin River

Conservation Site Name: Emporia Airport Wetlands

Conservation Site B-Rank: B3

County: Southampton USGS Quad: Adams Grove

Site ID: 107 Acreage: 44.3





Sub-basin: 03010204 – Meherrin River

Conservation Site Name: Lower Fontaine Creek

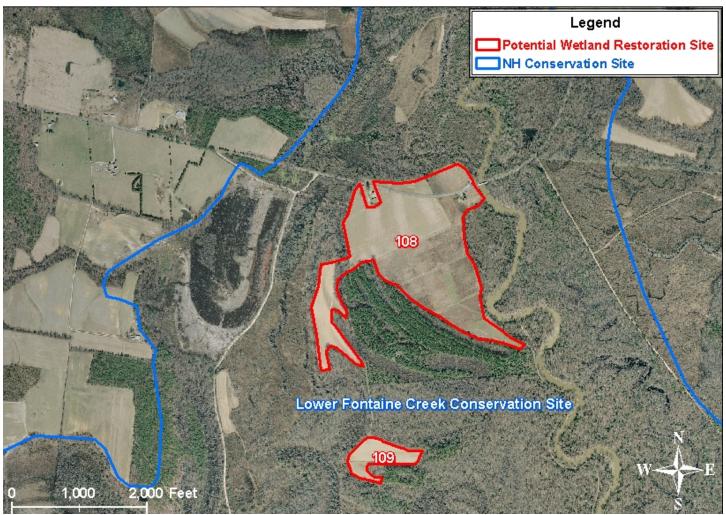
Conservation Site B-Rank: B3

County: Greensville

USGS Quad: Margarettsville

 Site ID: 108
 Site ID: 109

 Acreage: 89.6
 Acreage: 8.2



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Sub-basin: 03010204 – Meherrin River

Conservation Site Name: Lower Fontaine Creek

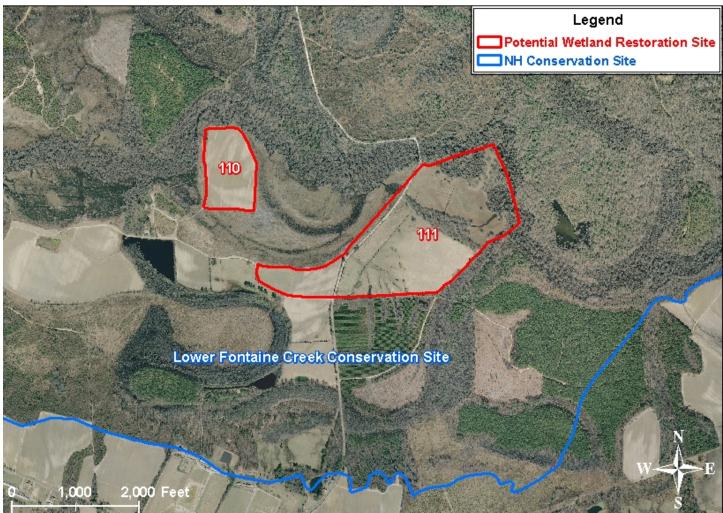
Conservation Site B-Rank: B3

County: Greensville

USGS Quad: Claresville/Margarettsville

 Site ID: 110
 Site ID: 111

 Acreage: 21.8
 Acreage: 107.3



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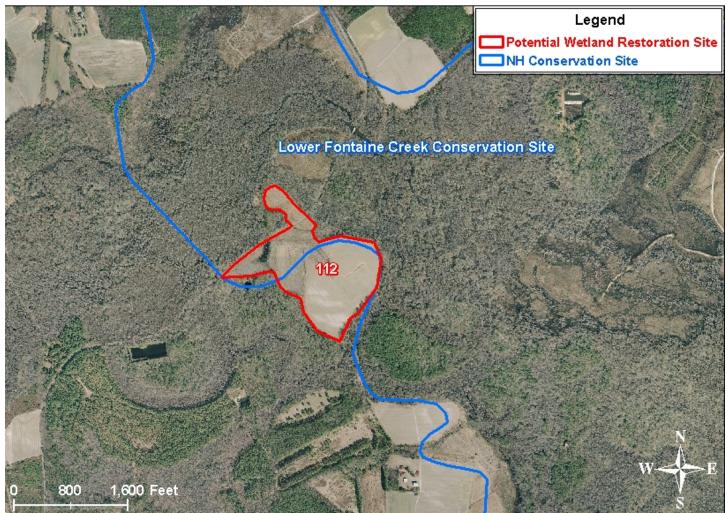
Sub-basin: 03010204 - Meherrin River

Conservation Site Name: Lower Fontaine Creek

Conservation Site B-Rank: B3

County: Greensville USGS Quad: Claresville

Site ID: 112 Acreage: 45.5



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Sub-basin: 05050001 – Upper New River **Conservation Site Name:** Piney Creek

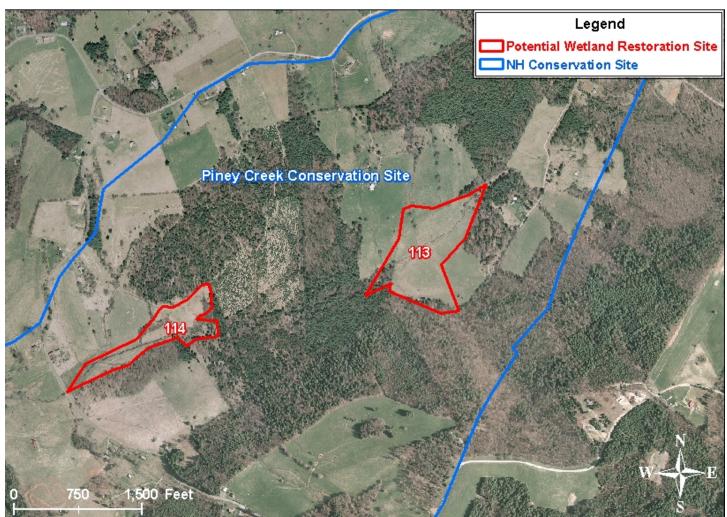
Conservation Site B-Rank: B1

County: Grayson

USGS Quad: Cumberland Knob

 Site ID: 113
 Site ID: 114

 Acreage: 21.6
 Acreage: 12.6



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Sub-basin: 05050002 – Middle New River **Conservation Site Name:** Back Valley

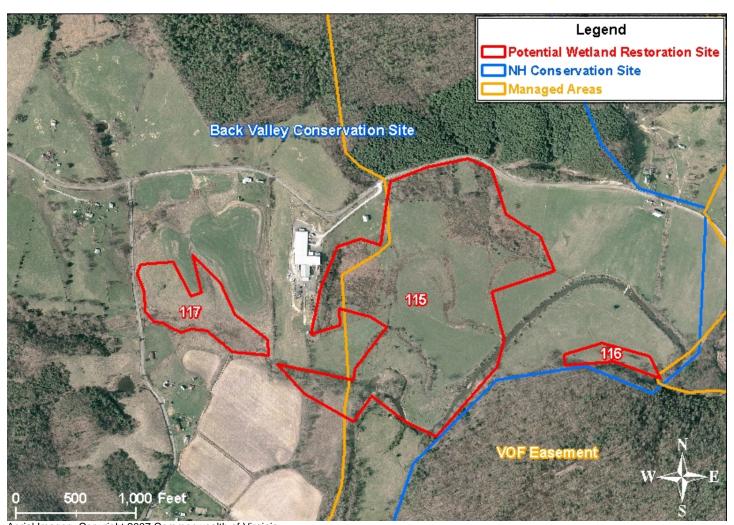
Conservation Site B-Rank: B2

County: Bland

USGS Quad: Mechanicsburg

 Site ID: 115
 Site ID: 116
 Site ID: 117

 Acreage: 61.9
 Acreage: 2.4
 Acreage: 9.5



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Sub-basin: 02070005 – South Fork Shenandoah River **Conservation Site Name:** South River Wet Meadow

Conservation Site B-Rank: B2

County: Augusta

USGS Quad: Stuarts Draft

Site ID: 118 **Acreage:** 434.2

